Amherst College Bulletin

CATALOG ISSUE 1959-60

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AMHERST COLLEGE BULLETIN

Catalog Issue
1959-1960

VOLUME 49 OCTOBER, 1959 NUMBER 1

This is Amherst, an illustrated booklet describing life at Amherst College and *Costs and Financial Aid at Amherst*, are available on request from the Dean of Admission.

AMHERST COLLEGE BULLETIN

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1959

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College Calendar

1959

Sept. 17	*Thursday*	Beginning of Freshman Orientation
Sept. 20	*Sunday*, 2:00 p.m.	Opening College Convocation
Sept. 21	*Monday*, 8:00 a.m.	Beginning of Classes
Oct. 24	*Saturday* (a holiday)	Wesleyan Football Game
Nov. 14	*Saturday* (a holiday)	Williams Football Game at Williamstown
Nov. 25	*Wednesday*, 12:50 p.m.	Beginning of Thanksgiving Recess
Nov. 30	*Monday*, 8:00 a.m.	End of Thanksgiving Recess
Dec. 19	*Saturday*, 11:50 a.m.	Beginning of Christmas Recess

1960

Jan. 4	*Monday*, 8:00 a.m.	End of Christmas Recess
Jan. 18 through Jan. 23	*Monday* through *Saturday*	First Semester Examination Period
Jan. 28	*Thursday*, 8:00 a.m.	Beginning of Second Semester
Mar. 16	*Wednesday*, 5:00 p.m.	End of Classes before Spring Recess
Mar. 19	*Saturday*, 5:00 p.m.	End of Rushing Period
April 4	*Monday*, 8:00 a.m.	End of Spring Recess
May 14	*Saturday* (a holiday)	Dance Holiday
May 30 through June 4	*Monday* through *Saturday*	Second Semester Examination Period
June 12	*Sunday*	Commencement
Sept. 15	*Thursday*	Beginning of Freshman Orientation
Sept. 18	*Sunday*, 2.00 p.m.	Opening College Convocation
Sept. 19	*Monday*, 8.00 a.m.	Beginning of Classes
Oct. 22	*Saturday* (a holiday)	Wesleyan Football Game at Middletown
Nov. 12	*Saturday* (a holiday)	Williams Football Game
Nov. 22	*Wednesday*, 12.50 p.m.	Beginning of Thanksgiving Recess
Nov. 28	*Monday*, 8.00 a.m.	End of Thanksgiving Recess
Dec. 17	*Saturday*, 11.50 a.m.	Beginning of Christmas Recess

1961

Jan. 4	*Wednesday*, 8.00 a.m.	End of Christmas Recess
Jan. 16 through Jan. 21	*Monday* through *Saturday*	First Semester Examination Period
Jan. 26	*Thursday*, 8.00 a.m.	Beginning of Second Semester
Mar. 22	*Wednesday*, 5.00 p.m.	End of Classes before Spring Recess
Mar. 25	*Saturday*, 5.00 p.m.	End of Rushing Period
April 10	*Monday*, 8.00 a.m.	End of Spring Recess
May 13	*Saturday* (a holiday)	Dance Holiday
May 29 through June 3	*Monday* through *Saturday*	Second Semester Examination Period
June 11	*Sunday*	Commencement

The calendar for the academic year 1960–61 is subject to change

The Corporation

JOHN JAY MCCLOY, LL.B., LL.D.	New York, N. Y.
Chairman of the Corporation	
CHARLES WOOLSEY COLE, PH.D., SC.D., L.H.D., LITT.D., LL.D.	
President of the College	Amherst, Mass.
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Treasurer of the Corporation	
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HENRY SELDEN KINGMAN, B.A.	Minneapolis, Minn.
FRANCIS TAYLOR PEARSONS PLIMPTON, LL.B.	New York, N. Y.
CHARLES BELCHER RUGG, M.A., LL.B.	Boston, Mass.
RICHARDSON PRATT, B.A.	New York, N. Y.
JULIUS SEELYE BIXLER, PH.D., D.D., L.H.D., LL.D., D.C.L.	Waterville, Maine
WINTHROP HIRAM SMITH, B.A.	New York, N. Y.
KENDALL BUSH DEBEVOISE, LL.B.	New York, N. Y.
* PRESTON ROGERS BASSETT, M.A., SC.D.	Ridgefield, Conn.
* PHILIP HALL COOMBS, B.A.	Old Greenwich, Conn.
* HENRY HARRISON FULLER	Burlingame, Calif.
* STANLEY FERDINAND TEELE, L.H.D.	Boston, Mass.
* JESSE MCLANE TROTTER, B.D., D.D.	Alexandria, Va.
* JOHN ANTHONY HILL, LL.B.	New York, N. Y.

JAMES ALFRED GUEST, LL.B.	Amherst, Mass.
Secretary of the Corporation	

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ARTHUR LEE KINSOLVING, D.D.	New York, N. Y.
LEWIS WILLIAMS DOUGLAS, LL.D.	Phoenix, Ariz.
ARTHUR FAIRBANKS ELLS, LL.D.	Litchfield, Conn.

* The terms of the Alumni Trustees expire as follows: PRESTON ROGERS BASSETT, 1960; PHILIP HALL COOMBS, 1961; HENRY HARRISON FULLER, 1962; STANLEY FERDINAND TEELE, 1963; JESSE MCLANE TROTTER, 1964, JOHN ANTHONY HILL, 1965.

† A life trustee who resigns shall be eligible for election by the Board of Trustees as trustee emeritus if in the opinion of the Board of Trustees he shall have rendered outstanding service to the College during his trusteeship. A trustee emeritus shall have all the privileges of a member of the Board except that of voting at the meetings of the Board. The trustees emeriti shall retain the processional order which they held at the time of their retirement. (Adopted by the Board of Trustees of Amherst College, January 17, 1943.)

*Committees of the Corporation**

The Chairman of the Corporation and the President of the College are members, *ex officiis*, of all committees.

Executive Committee: Messrs. Bassett, Ells, Kingman, McCloy (Chairman), Merrill, Plimpton, Pratt, Rugg, Seligman, Smith.

Investment Committee: Messrs. Fuller, Kingman (Chairman), Plimpton, Pratt, Rugg, Smith, Weathers.

Budget and Finance: Messrs. Coombs, Fuller, Kingman, Merrill, Plimpton, Pratt (Chairman), Smith, Teele, Weathers.

Instruction Committee: Messrs. Bassett, Bixler, Boyden, Coombs, Merrill, Plimpton (Chairman), Seligman, Teele, Trotter.

Buildings and Grounds Committee: Messrs. Bassett, Bixler, Boyden, Fuller, Kingman, Merrill (Chairman), Pratt, Smith, Weathers.

Honorary Degrees Committee: Messrs. Bixler, Boyden, Coombs, Ells, Plimpton, Rugg (Chairman), Teele, Trotter.

Folger Shakespeare Library Committee: Messrs. Bassett, Bixler, Fuller, Plimpton, Seligman (Chairman), Trotter, Weathers.

Joseph B. Eastman Foundation Committee: Messrs. Fuller, Kingman, Rugg (Chairman), Seligman.

Committee on Fraternities: Messrs. Bassett (Chairman), Ells, Merrill, Rugg, Teele.

Merrill Center for Economics Committee: Messrs. Coombs, Fuller, Plimpton, Pratt, Seligman, Smith (Chairman), Teele.

Pension Committee: Messrs. Bassett, Coombs (Chairman), Kingman, Smith, Teele, Weathers.

* *The committee listings are for 1958–59. The Corporation organizes itself at its fall meeting for each academic year.*

Officers of Administration

CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D. — *President*

CHARLES SCOTT PORTER, M.A., L.H.D. — *Dean*
EUGENE SMITH WILSON, B.A. — *Dean of Admission*
THEODORE SPAULDING BACON, JR., M.C.P. — *Associate Dean*
*JOHN CUSHING ESTY, JR., M.A. — *Associate Dean*
WILLIAM MOORE DIETEL, PH.D. — *Assistant Dean*
CORTLAND VAN RENSSELAER HALSEY, PH.D. — *Assistant Dean of Admission*
ROBERT FREEMAN GROSE, PH.D. — *Registrar*

PAUL DYESS WEATHERS, M.B.A. — *Treasurer*
MINOT GROSE, B.A. — *Business Manager and Assistant Treasurer*
HENRY BENJAMIN POOR, B.A. — *Secretary of the Committee on Endowment*
GEORGE BURNHAM MAY, B.A. — *Comptroller*
ROBERT HERMAN HEIDRICH, A.E.E., P.E.
College Engineer and Superintendent of Buildings and Grounds
GORDON BENJAMIN BRIDGES, M.A.
Director of Dining Halls and Director of Personnel

DAVID SHEPHERD KING, S.T.M. — *Chaplain*
PATRICK EUGENE GREEN, B.A. — *Danforth Assistant to the Chaplain*

ALBERT ERNEST LUMLEY, M.A.
Chairman of the Department of Physical Education and Athletics
ELLSWORTH ELLIOTT RICHARDSON, M.A
Director of Freshman Physical Education and Athletics

STEPHEN BROWN, M.D. — *College Physician*
OSCAR DONALD CHRISMAN, M.D. — *Associate College Physician*
HASKELL ROBERT COPLIN, PH.D. — *Student Counselor*
PAUL HAROLD SETON, M.D. — *Assistant College Physician*
MARY MARGARET BARKOWSKI, R.N. — *Supervisor of Student Health Office*
MARJORIE RUTH CROSSMANN, R.N. — *Assistant Supervisor of Student Health Office*
HELEN BOLT STIMSON, R.N. — *Supervisor of the Infirmary*

JAMES ALFRED GUEST, LL.B.
Secretary of the Alumni Council and Director of Vocational Guidance
JOHN CUSHING ESTY, B.A. — *Assistant to the Secretary of the Alumni Council*
SYDNEY DAKIN CHAMBERLAIN, B.A. — *Associate Director of Vocational Guidance*
ARTHUR DAVENPORT, B.A.
Fraternity Business Manager and Director of Student Activities
ROBERT APPLEBY WARD, B.A.
Assistant to the Director of Admission on the Mayo-Smith Teaching Grant
HORACE WILSON HEWLETT, M.A.
Secretary of the College and Director of Publications
PETER SCHRAG, B.A. — *Assistant Secretary of the College and Director of Publications*
SIDNEY RAYMOND PACKARD, PH.D. — *Four-College Coordinator*
JOHN CLEMENT SCHULER, MUS.D. — *Director of the Band*

**On leave 1959–1960.*

Faculty

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President of the College

CHARLES SCOTT PORTER, M.A., L.H.D. — *Dean of the College*
EUGENE SMITH WILSON, B.A. — *Dean of Admission*
THEODORE SPAULDING BACON, JR., M.C.P. — *Associate Dean*
*JOHN CUSHING ESTY, JR., M.A. — *Associate Dean*
WILLIAM MOORE DILTEL, PH.D. — *Assistant Dean*
CORTLAND VAN RENSSELAER HALSEY, PH.D. — *Assistant Dean of Admission*
ROBERT FREEMAN GROSE, PH.D. — *Registrar*

The Faculty Is Arranged Alphabetically in Rank

GEOFFROY ATKINSON, PH.D.
Professor of Romance Languages on the Eliza J. Clark Folger Foundation, Emeritus

GEORGE ROY ELLIOTT, PH.D., LITT.D.
Professor of English on the Henry C. Folger Foundation, Emeritus

WARREN KIMBALL GREEN, PH.D. — *Professor of Astronomy, Emeritus*
MICHAEL JOSEPH KENNEDY *Associate Professor of Physical Education, Emeritus*

STERLING POWER LAMPRECHT, PH.D., LITT.D.
Professor of Philosophy on the Emily C. Jordan Folger Foundation, Emeritus

OTTO MANTHEY-ZORN, PH.D.
Professor of German on the Emily C. Jordan Folger Foundation, Emeritus

ALLISON WILSON MARSH, M.E.D.
Professor of Hygiene and Physical Education, Emeritus

HAROLD HENRY PLOUGH, PH.D.
Edward S. Harkness Professor of Biology, Emeritus

WILLIAM TINGLE ROWLAND, PH.D. — *Professor of Latin, Emeritus*
CHARLES HANSEN TOLL, PH.D. *Professor of Philosophy and Psychology, Emeritus*
RALPH COPLESTONE WILLIAMS, PH.D. — *Professor of French, Emeritus*

ROBERT FROST, L.H.D., LITT.D. — *Simpson Lecturer in Literature*
ARNOLD BORIS ARONS, PH.D. — *Professor of Physics*

GEORGE WILLIAM BAIN, PH.D.
Samuel A. Hitchcock Professor of Mineralogy and Geology

THEODORE BAIRD, PH.D. — *Samuel Williston Professor of English*
CESAR LOMBARDI BARBER, M.A. — *Professor of English*
*RALPH ALONZO BEEBE, PH.D. — *Massachusetts Professor of Chemistry*
ROBERT HERMANN BREUSCH, PH.D. — *Professor of Mathematics*
BAILEY LEFEVRE BROWN, M.A. — *Professor of Mathematics*

STEPHEN BROWN, M.D. *College Physician and Parmly Billings Professor of Hygiene*

HENRY STEELE COMMAGER, PH.D.
Amherst College Professor of American History and American Studies

HASKELL ROBERT COPLIN, PH.D. *Professor of Psychology and Student Counselor*

GEORGE ARMOUR CRAIG, PH.D. — *Professor of English*

** On leave 1959–60.*

PAUL WITHERSPOON ECKLEY, M.A. — *Professor of Physica Education*
REGINALD FOSTER FRENCH, PH.D. — *Professor of Romance Languages*
GEORGE BANKS FUNNELL, M.A. — *Professor of French*
STEWART LEE GARRISON, M.A.
Professor of Public Speaking on the Marquand and Stone Foundation
ALFRED FREEMAN HAVIGHURST, PH.D. — *Professor of History*
GEORGE ROLFE HUMPHRIES, M.A. — *Lecturer in English*
GAIL KENNEDY, PH.D. *Professor of Philosophy on the Henry C. Folger Foundation*
GEORGE WALLACE KIDDER, PH.D., SC.D. — *Stone Professor of Biology*
THEODORE KOESTER, PH.D. — *Professor of Psychology*
†EARL LATHAM, PH.D. — *Joseph B. Eastman Professor of Political Science*
KARL LOEWENSTEIN, D.C.L.
William Nelson Cromwell Professor of Jurisprudence and Political Science
ALBERT ERNEST LUMLEY, M.A. — *Professor of Physical Education*
JAMES ALFRED MARTIN, JR., PH.D.
Professor of Religion on the Stanley W. Crosby Foundation
LEO MARX, PH.D. — *Professor of English and American Studies*
NEWTON FELCH MCKEON, B.A.
Professor of English and Director of Converse Memorial Library
HENRY GEORGE MISHKIN, PH.D. — *Professor of Music*
‡JOHN ANDREW MOORE, M.A. — *Class of 1880 Professor of the Classics*
*CHARLES HILL MORGAN, PH.D.
Professor of Fine Arts on William R. Mead Foundation
VINCENT MORGAN, MUS.M. — *Professor of Music*
JAMES RODNEY NELSON, PH.D. — *Charles E. Merrill Professor of Economics*
ELLSWORTH ELLIOTT RICHARDSON, M.A. — *Professor of Physical Education*
STANLEY CURTIS ROSS, B.A., LL.D. — *Visiting Professor of Economics*
EDWIN CHARLES ROZWENC, PH.D.
Dwight W. Morrow Professor of American History
EDWARD DWIGHT SALMON, PH.D. — *Winkley Professor of History*
ANTHONY SCENNA, PH.D. — *Professor of German*
OSCAR EMILE SCHOTTÉ, SC.D. — *Rufus Tyler Lincoln Professor of Biology*
THEODORE SOLLER, PH.D. — *Professor of Physics*
ATHERTON HALL SPRAGUE, PH.D. — *Professor of Mathematics*
GEORGE ROGERS TAYLOR, PH.D. — *George D. Olds Professor of Economics*
WILLARD LONG THORP, PH.D., LL.D.
Professor of Economics and Director of Merrill Center of Economics
FREDERICK KING TURGEON, PH.D. — *Professor of French*
COLSTON ESTEY WARNE, PH.D. — *Professor of Economics*
ROBERT BYRON WHITNEY, PH.D. — *George H. Corey Professor of Chemistry*
ALBERT ELMER WOOD, PH.D. — *Professor of Biology*
BENJAMIN MUNN ZIEGLER, LL.B.,PH.D.
Bertrand Snell Professor of Political Science

* *On leave 1959–60.* † *On leave first semester.* ‡ *On leave second semester.*

BRUCE BUZZELL BENSON, PH.D. — *Associate Professor of Physics*
O. DONALD CHRISMAN, M.D. — *Associate College Physician*
ARNOLD PETER COLLERY, PH.D. — *Associate Professor of Economics*
BENJAMIN HAILE DEMOTT, PH.D. — *Associate Professor of English*
RICHARD MATEER DOUGLAS, PH.D. — *Associate Professor of History*
†JOSEPH EPSTEIN, PH.D. — *Associate Professor of Philosophy*
ROBERT FREEMAN GROSE, PH.D. — *Associate Professor of Psychology and Registrar*
JOHN BURT HALSTED, PH.D. — *Associate Professor of History*
ERNEST ALFRED JOHNSON, PH.D. — *Associate Professor of Romance Languages*
WILLIAM ELMER KENNICK, PH.D. — *Associate Professor of Philosophy*
MANFORD VAUGHN KERN, M.A. — *Associate Professor of Classics*
ALBERT PAUL LINNELL, PH.D. — *Associate Professor of Astronomy*
BENJAMIN FRANKLIN MCCABE, M.A. — *Associate Professor of Physical Education*
RALPH CLELAND MCGOUN, M.A. — *Associate Professor of Dramatic Arts*
PAUL FOOTE NORTON, PH.D. — *Visiting Associate Professor of Fine Arts*
JAMES ELMORE OSTENDARP, M.A. — *Associate Professor of Physical Education*
‡MURRAY BISBEE PEPPARD, PH.D. — *Associate Professor of German*
CHARLES ENSIGN ROGERS, M.A. — *Associate Professor of Fine Arts and Dramatic Arts*
STEVEN MARTIN ROSTAS, M.ED. — *Associate Professor of Physical Education*
DUDLEY HERBERT TOWNE, PH.D. — *Associate Professor of Physics*
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ALFRED BURTON WILLCOX, PH.D. — *Associate Professor of Mathematics*
RICHARD EUGENE WILSON, M.ED. — *Associate Professor of Physical Education*
KENNETH M. YOSS, PH.D. — *Visiting Associate Professor of Astronomy*
HENRY THOMAS YOST, JR., PH.D. — *Associate Professor of Biology*
‡ROBERT CHARLES BIRNEY, PH.D. — *Assistant Professor of Psychology*
WALTER LEROY BOUGHTON, M.F.A. — *Stanley King Assistant Professor of Dramatics and Director of Kirby Theatre*
GERALD PATRICK BROPHY, PH.D. — *Assistant Professor of Geology*
WILLIAM CALVIN CANNON, PH.D. — *Assistant Professor of Spanish*
*OTIS CARY, M.A. — *Assistant Professor on leave for service at Doshisha University*
WILLIAM HUMISTON DARR, B.A. — *Assistant Professor of Fine Arts*
JOHN WARNER DAVENPORT, PH.D. — *Assistant Professor of Psychology*
COLBY WILSON DEMPESY, PH.D. — *Assistant Professor of Physics*
HENRY FREDERICK DUNBAR, JR., PH.D. — *Assistant Professor of Physical Education*
ELMO GIORDANETTI, PH.D. — *Assistant Professor of Romance Languages*
JOEL ETHAN GORDON, PH.D. — *Assistant Professor of Physics*
THOMAS FAUSS GOULD, PH.D. — *Assistant Professor of Classics*
THEODORE PHINNEY GREENE, M.A. — *Assistant Professor of History*
HUGH DODGE HAWKINS, PH.D. — *Assistant Professor of American Studies*
WILLIAM WEBSTER HEATH, PH.D. — *Assistant Professor of English*

* *On leave 1959–60.* † *On leave first semester.* ‡ *On leave second semester.*

WILLIAM MICHAEL HEXTER, PH.D. — *Assistant Professor of Biology*
ROBERT HOWARD, PH.D. — *Visiting Assistant Professor of Astronomy*
DAVID SHEPHERD KING, S.T.M. — *Chaplain*
ALLEN KROPF, PH.D. — *Assistant Professor of Chemistry*
HAROLD GEORGE LOOMIS, PH.D. — *Assistant Professor of Mathematics*
EGON NEUBERGER, PH.D. — *Assistant Professor of Economics*
KAI EDWARD NIELSEN, PH.D. — *Assistant Professor of Philosophy*
EDWARD OLSON, B.S. — *Visiting Assistant Professor of Astronomy*
JOHN PEMBERTON, III, PH.D. — *Assistant Professor of Religion*
ANTHONY RESO, PH.D. — *Assistant Professor of Geology*
CARTER CURTIS REVARD, B.A. — *Assistant Professor of English*
ROBERT HORTON ROMER, PH.D. — *Assistant Professor of Physics*
EARLE STANLEY SCOTT, PH.D. — *Assistant Professor of Chemistry*
WALTER ALFRED SEDELOW, JR., PH.D. — *Assistant Professor of History*
EDWARD JOSEPH SERUES, B.S. — *Assistant Professor of Physical Education*
PAUL HAROLD SETON, M.D. — *Assistant College Physician*
JAMES HEYWOOD ALEXANDER, M.A. — *Instructor in Music*
JAMES JOHN BARNES, PH.D. — *Instructor in History*
THOMAS NOEL BISSON, M.A. — *Instructor in History*
LINCOLN PIERSON BROWER, PH.D. — *Instructor in Biology*
JOHN ARTHUR CAMERON, M.A. — *Instructor in English*
ALAN DAVIS, B.A. — *Instructor in Russian*
*JOHN CUSHING ESTY, JR., M.A. — *Instructor in Mathematics & Associate Dean*
PATRICK EUGENE GREEN, B.A. — *Danforth Assistant to the Chaplain*
ALLEN GUTTMAN, B.A. — *Instructor in English*
C. VAN RENSSELAER HALSEY, PH.D. — *Instructor in American Studies & Assistant Dean of Admission*
GEORGE ANTHONY KATEB, M.A. — *Instructor in Political Science*
ARNOLD MARTINIUS KENSETH, B.D. — *Instructor in American Studies and English*
JOHN HOWARD KESSEL, PH.D. — *Instructor in Political Science*
ROBERT HARRY KOCH, PH.D. — *Instructor in Astronomy*
EDWARD RENTON LEADBETTER, PH.D. — *Instructor in Biology*
EDGAR LITT, A.B. — *Instructor in Political Science*
PETER KENNETH MARSHALL, B.A. — *Instructor in Classics*
DONALD GRANT MILLER, M.A. OF ED. — *Instructor in Physical Education*
JOHN ANTHONY PETROPULOS, B.A. — *Instructor in History*
WILLIAM HARRISON PRITCHARD, B.A. — *Instructor in English*
LORENZO WILLARD RICHARDS, B.S. — *Instructor in Chemistry*
*BURTON RUBIN, M.A. — *Instructor in Russian*
ROGER HILLER SALE, PH.D. — *Instructor in English*
DWIGHT MORROW SCANDRETT, JR., M.S. — *Instructor in Physical Education*
NORMAN RICHARD SHAPIRO, PH.D. — *Instructor in Romance Languages*

* *On leave 1959–60.*

Marc Stamm Silver, B.A.	*Instructor in Chemistry*
Richard G. Van Petersilge,	*Instructor in Physical Education*
Donald Owen White, M.A.	*Instructor in German*
William Frederick Woehrlin, M.A.	*Visiting Instructor in History*

Associate

Philip Truman Ives, PH.D.	*Research Associate in Biology*

Assistants

Maria-Carmen G. Azpeitia	*Romance Languages*
Kate D. Breusch	*German*
Jacques G. A. Bereaud	*Romance Languages*
Alda B. Cannon	*Romance Languages*
Valverian F. Kolesoff	*Russian*
Natalie Merrill	*American Studies*
Hervé M. J. Peyrelongue	*Romance Languages*
Mario R. Ramirez	*Romance Languages*
Jean-Pierre Taillard	*Romance Languages*
Edward Trapp	*Physics*
Stephen C. Whitmore	*Physics*
Horst Wittmann	*German*

Faculty Committees

Committee of Six: President Cole (Chairman, *ex officio*), Dean Porter (Secretary, *ex officio*), Professors Barber, Craig, Koester, Marx, Taylor, and Whitney

Committee on Educational Policy: Professors Collery, Johnson, Kennick, Rozwenc and Yost.

Fellowship Committee: President Cole (Chairman), Dean Porter (Secretary), Professors Baird, Salmon, Trapp, Whitney and Ziegler.

Committee on Admission and Scholarships: President Cole (Chairman), Dean Wilson (Secretary), Dean Bacon, Dean Esty, Dean Halsey, Dean Porter, and Professors Arons and Grose.

Committee on Intercollegiate Athletics: President Cole (Chairman), Dean Porter (Secretary), Professors Eckley, Lumley, Richardson, Sprague, Wilson, Doctor Brown, and John R. Raye, '60, President of the Student Council.

Lecture Committee: Professors Greene (Chairman), Gould, Nielsen, and Yost.

Library Committee: Professors McKeon (Chairman), Brophy, Craig, Halsted, Neuberger, Scenna, and Wood.

Fellows

James Vernon Applewhite, '59 — Tulane University
George A. Plimpton Fellow in French

Richard Lionel Banner, '59 — Columbia University
John Woodruff Simpson Fellow in Medicine

Boris Bailo Baranovic, '58 — Yale University
Edward Poole Lay Fellow in Drama

Douglas Mather Behrendt, '59 — Harvard University
John Woodruff Simpson Fellow in Medicine

Thomas Livingston Benjamin, '59 — Pasteur Institute, Paris, France
John Woodruff Simpson Fellow in Biology (in preparation for teaching)

David Marshall Borden, '59 — Harvard University
John Woodruff Simpson Fellow in Law

Lawrence Rogers Burwell, '59 — Western Reserve University
John Woodruff Simpson Fellow in Medicine

Charles Michael Cashel, '59 — Western Reserve University
John Woodruff Simpson Fellow in Medicine

Stephen David Cederbaum, '59 — New York University
John Woodruff Simpson Fellow in Medicine

Robert Fenton Dalzell, Jr., '59 — Yale University
Yale-Amherst Memorial Fellow in American History

Richard Brink DeMallie, Jr., '59 — University of Wisconsin
Forris Jewett Moore Fellow in Chemistry

Richard Alan Dirks, '55 — Stanford University
James Ingram Merrill Fellow in English (in preparation for teaching)

Paul Michael Dodyk, '59 — Oxford University
Roswell Dwight Hitchcock Memorial Fellow in Economics

John William Dower, '59 — Harvard University
Amherst Memorial Fellow in Far Eastern Studies

Joel Goldin, '59 — Harvard University
John Woodruff Simpson Fellow in Dental Medicine

Stephen Gurko, '59 — Harvard University
John Woodruff Simpson Fellow in Law

Raymond Lewis Hayes, '59 — University of Michigan
John Woodruff Simpson Fellow in Anatomy (in preparation for teaching)

Wayne Alfred Holsman, '59 — Chicago Theological Seminary
Benjamin Goodall Symon, Jr., Memorial Fellow in Theology

Sun Ha Kim, '59 — University of Pittsburgh
Amherst Memorial Fellow in Public Administration

John Rittenhouse Long, '59 — Yale University
George Stebbins Moses Memorial Fellow in Theology

RICHARD ANDREW MCCANN, '59 Harvard University
Amherst Memorial Fellow (M.A. in Teaching)

CHARLES ELWOOD MOYER, JR., '59 Brown University
Forris Jewett Moore Fellow in Organic Chemistry

JOSEPH MORTON, '59 Johns Hopkins University
Forris Jewett Moore Fellow in Philosophy

FRED M. NEWMANN, '59 Harvard University
Amherst Memorial Fellow (M.A. in Teaching)

WARREN OLNEY, IV, '59 University of California, Berkeley
Amherst Memorial Fellow in English Literature (in preparation for teaching) and Henry P. Field Fellow in English

WILFRED BAXTER POSTEL, '59 Johns Hopkins University
John Woodruff Simpson Fellow in Medicine

RICHARD LAWRENCE RAPSON, '58 Columbia University
Columbia-Amherst Memorial Fellow in European History

THOMAS GEORGE SCHUELLER, '58 Harvard University
John Woodruff Simpson Fellow in Law

MELVYN FREDERICK SPRINGER, '59 Yale University
Edward Poole Lay Fellow in Music (in preparation for teaching)

MARC JULES TAYLOR, '58 Columbia University
John Woodruff Simpson Fellow in Medicine

DONALD FERGUSON WINTER, '54 Harvard University
Rufus B. Kellogg University Fellow in Applied Mathematics

ALBERT FREDERICK WOOD, '59 Temple University
John Woodruff Simpson Fellow in Medicine

RICHARD WARNER WRIGHT, '55 Yale University
Amherst Memorial Fellow in Economics (in preparation for teaching)

KWANG YU, '57 Princeton University
Amherst Memorial Fellow in Theoretical Physics (in preparation for teaching)

Amherst College Library

Newton Felch McKeon, Jr., B.A.	*Director*
Ebenezer Porter Dickinson	*Reference Librarian*
Ruth Marie Erit, B.A.	*Order Librarian*
Gladys Jones Mack, B.A., B.L.S.	*Head of Circulation*
Cynthia Furneaux Tucker, B.S.	*Chief Cataloguer*
Lois Fagan, B.A., M.S.	*Assistant Cataloguer*
Flody Samuel Merritt, M.A.	*Assistant Reference Librarian*

The Pratt Museum of Geology

George William Bain, PH.D.	*Curator*
Albert Elmer Wood, PH.D.	*Associate Curator*
Gerald Patrick Brophy, PH.D.	*Associate Curator*
Anthony Reso, PH.D.	*Associate Curator*

Snell Museum of Physics

Theodore Soller, PH.D.	*Director*

Edward Hitchcock Memorial Room

Rena Mary Durkan	*Curator*

Amherst College Wildlife Sanctuary

Walter Charles Markert, B.S.	*Director*

Mead Art Building

Charles Hill Morgan, PH.D.	*Director*
Charles Ensign Rogers, M.A.	*Assistant Director*
Margaret Cecilia Toole, B.A.	*Assistant Curator of Painting*

ADVISORY COMMITTEE ON ACQUISITIONS

Louisa Dresser, B.A. — Worcester, Mass.
Curator, Worcester Art Museum

Arthur William Heintzelman — *Marblehead, Mass.*
Curator of Prints, Boston Public Library

ROBERT G. MCINTYRE — *Dorset, Vermont*
Retired Diector, MacBeth Gallery, New York

CHARLES HILL MORGAN, PH.D. — Amherst, Mass.
Professor of Fine Arts on the William R. Mead Foundation

DANIEL COTTON RICH, PH.D. — *Worcester, Mass.*
Director, Worcester Art Museum

CHARLES HENRY SAWYER, L.H.D. — Ann Arbor, Michigan
Professor of Fine Arts, University of Michigan

JAMES KELLUM SMITH, L.H.D. — New York, N. Y.
President of the American Academy in Rome

CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D. — Amherst, Mass.
President of the College, ex officio

Kirby Memorial Theater

WALTER LEROY BOUGHTON, M.F.A. — *Director*
CHARLES ENSIGN ROGERS, M.A. — *Designer*
RALPH CLELAND MCGOUN, JR., M.A. — *Technical Director*

Advisor on Charitable Fund Awards

FRANK LEAROYD BOYDEN, SC.D., PD.D., LITT.D., L.H.D., LL.D. — Deerfield, Mass.

Religious Advisers

REV. THAYER A. GREENE, B.D. — *Advisor on Religious Activities*
REV. DAVID J. POWER — *Religious Advisor to Catholic Students*
RABBI LOUIS RUCHAMES, PH.D. — *Religious Advisor to Jewish Students*

Amherst College

The "Collegiate Charitable Institution" at Amherst, which eventually became Amherst College, was opened in September 1821 as a seminary where students with little money might prepare for the ministry. It secured its charter from the Commonwealth of Massachusetts in 1825. Although the nominal founders were men like Noah Webster, Samuel F. Dickinson (grandfather of the poet Emily), and other trustees of the local academy, the College was made possible through the help of more than thirteen hundred citizens of the township and countryside. These people not only gave money for students' tuition (in donations ranging from $3000 to 3 cents); they helped dig the foundations and lay the bricks for the College's first buildings. It is therefore fitting that Amherst is named not for an individual but for the town.

For nearly a century and a half the College has continued to instruct its students in "all branches of literature and science" as promised in its original constitution. It is non-sectarian and its courses are confined to the liberal arts and sciences and lead only to the bachelor of arts degree; no vocational studies are offered. The majority of its classes are small (the present proportion of teachers to students is one to nine), and offer relatively individualized instruction. But the College has extended its original design — to provide education for the sons of the farmers of the Connecticut Valley — and is now a national rather than a local institution. About thirty percent of its undergraduates come from New England; forty percent from the Middle Atlantic States; twenty percent from the Middle West; and the rest from a scattering of other states and nations.

The College's corporate name is "The Trustees of Amherst College." Its general government is vested in this Board, eighteen in number, of whom the President and the Treasurer of the College are members *ex officiis*, ten are elected by Trustee vote without limit of term, and six are elected by graduates of the College for terms of six years each. The President is charged with the general administration of the College. Subject to the Trustees' reserved authority, educational policy and rules of conduct are determined by the Faculty. The following is a list of the Presidents of the College, with their terms of service:

Rev. Zephaniah Swift Moore, d.d.	1821–1823
Rev. Heman Humphrey, d.d.	1823–1845
Rev. Edward Hitchcock, d.d., ll.d.	1845–1854
Rev. William Augustus Stearns, d.d., ll.d.	1854–1876
Rev. Julius Hawley Seelye, d.d., ll.d.	1876–1890
Merrill Edwards Gates, ph.d., ll.d., l.h.d.	1890–1899
Rev. George Harris, d.d., ll.d.	1899–1912

Alexander Meiklejohn, ph.d., ll.d.	1912–1924
George Daniel Olds, ll.d.	1924–1927
Arthur Stanley Pease, ph.d., ll.d.	1927–1932
Stanley King, ll.d.	1932–1946
Charles Woolsey Cole, ph.d., l.h.d., sc.d., litt.d., ll.d.	1946–

The Curriculum

The curriculum of the College, key features of which were first introduced in 1947, was designed to put more emphasis on participation by the student, and to provide a body of common knowledge that would serve as a basis for later specialization in any field. Under its terms all students during the freshman-sophomore years take three two-year sequences, one in each of the three divisions — the humanities, social studies, and the natural sciences. In the first year the student takes Science 1–2, mathematics and physics, a course in which the two subjects are integrated, so far as is possible, by applying the mathematics, as it is learned, to physical problems. As a sophomore the student takes either a semester of chemistry and one of biology which builds upon the foundation of this first year, or two semester courses from the fields of astronomy, biology, chemistry, evolution, geology, or psychology. In social studies the student begins by taking a course in European Civilization followed in the second year by one in Problems of American Civilization. The humanities requirement for the freshman year is two independent half-courses carried in parallel throughout the year, one in English Composition, the other in "great books," a selection from classic works read in chronological order. The humanities requirement for sophomores is a year's work from a designated group of courses in English or other literatures, music, fine arts, dramatic arts, classical civilization, religion, and philosophy. The student must have, in addition, a satisfactory grounding either in an ancient or an important modern language. Exceptions to any of these requirements are rare and are made only for a sufficient reason. Thus, during the first two years the student is prepared to major, as an upperclassman, in *any* subject within the curriculum, though normally he will do so in but one.

Upon completing this program, all students then take a major, either in one subject or a "group major" which combines work in two or more departments — for example, the major in American Studies. The Major Fields are the following: *The Humanities* — Classics, Dramatic Arts, English, Fine Arts, French, German, Greek, Italian, Latin, Music, Philosophy, Religion, Spanish; *Social Studies* — American Studies, Economics, History, Legal Studies, Political Science; *Mathematics and Natural Sciences* — Astronomy, Biology, Chemistry, Geology, Mathematics, Physics, and Psychology. Nearly all students ranking in the upper half of the class take a

major with honors. Some of the larger departments have special seminars for this group in the junior year, and all departments have a senior honors course. Every department requires a thesis (or the equivalent) involving independent research under the supervision of a teacher in that subject. The honors student is also usually required to take written comprehensive examinations in the field of his major and an oral examination on his thesis by members of the department.

The curriculum is based on the view that an important goal of liberal education is to develop the student's power of using abstractions in a way that will enable him to deal with a great diversity of experience. A Policy Committee of the College has described the relation between the curriculum and the contemporary world as follows: "It has become more important than ever before that individuals be able to comprehend intelligently as much of the enormously complex and rapidly changing society in which we live as it is possible for them to do. . . . Between the education of infancy and childhood, which should be primarily a matter of acquiring essential skills by direct participation, and the subsequent training that one receives by the direct method of apprenticeship in technical and professional schools, there lies a period of late adolescence and early maturity when at least the ablest and most gifted members of their generation should be given the opportunity to develop the kind and quality of interests that will enable them to understand how their specific functions as businessmen, teachers, artists, lawyers, physicians, engineers, etc., fit into the whole complex changing pattern of the Great Society."

For detailed statements concerning degree requirements and major plans, see below, pp. 42–46.

Plant and Facilities

Amherst is an independent, gift-supported college. Approximately 1000 students are now enrolled; the faculty has nearly one hundred and twenty members; college property consists of four hundred and five acres; buildings — exclusive of college-owned faculty residences and independently owned fraternities — number forty-two; endowment exceeds $24,000,000. The College buildings include the chapel, auditorium, library, dormitories, classrooms, laboratories, natural history museum, art center, observatory, central dining hall, physical education units, theater, infirmary, music building, religion building, and maintenance group. The Board of Trustees also administers the Folger Shakespeare Memorial Library in Washington, D. C. and the Merrill Center for Economics at Southampton, Long Island.

Though only a few examples can be cited here, facilities and equipment are at a high level of adequacy throughout the College. The Kirby Theater is acknowledged to be one of the finest college theaters in the country.

Besides the main Amherst College Library, with 300,000 volumes, there are small libraries in each dormitory unit, in most of the fraternity houses, and in the Infirmary. The Infirmary, of recent construction, is directed by the College Physician, who has a consulting medical staff comprising surgeons, internists, and various specialists to call on in cases of serious illness. The athletic plant consists of a large gymnasium with doctors' offices and treatment room, special sports rooms for wrestling, boxing, and fencing, and wings that house an indoor athletic field, a swimming pool, and squash courts. For outdoor activities there are four football, four soccer, and four baseball fields, a track, twenty-five tennis courts, an artificial ice rink for skating and hockey, practice ski slopes on campus, and a developed ski slope seven miles from the College with tows, trails, and jump.

The science laboratories accommodate large numbers and provide generous space for advanced students working on research projects. In the Chemistry Building there are five laboratories for the more elementary courses and two set aside for honors students. The Department of Biology has six laboratories devoted to undergraduate courses, including those for anthropology, genetics, and botany, and a new greenhouse for the study of plant growth. An underground vault containing radioactive cobalt supplied by the Atomic Energy Commission enables qualified biologists to conduct experiments in radiation research. Geology has four laboratories, with certain ones, such as the paleontological laboratory, intended primarily for advanced work. Physics has six laboratories, among them special facilities for optics, electronics, and low-temperature research. The College also has laboratories in Experimental Psychology. The well-equipped astronomical observatory has two main telescopes: an 18-inch visual refractor and an 8-inch refractor with a camera. The instruments in the observatory, like the equipment in the laboratories, can be used by undergraduates engaged in special projects.

There are a number of outstanding collections — ranging in subject from historical geology to American art — in the museums and galleries of the College. The Department of Fine Arts has about five hundred color reproductions and original prints that any student may borrow for use in his room. The Department of Music has the Carnegie Record Collection, a circulating library of some 5,000 records which students may take out or play in the listening room of the music building. The College provides audio equipment for the oral study of poetry in English and other languages in general. And a variety of other special facilities are available to the student in virtually every academic and extracurricular field.

Student Life

Amherst freshmen live on campus in any one of three dormitories, two of which were built in 1946. Upperclassmen live in four other dormitories

and in the fraternity houses. All students take their meals in Valentine Hall, the commons or central eating place of the College. A high percentage of Amherst upperclassmen join one of the thirteen fraternities. Since 1951 all eligible students who have wished to participate have been pledged to fraternities. A student becomes eligible for membership in a fraternity in his sophomore year. Each group has its own house, with well furnished common rooms and comfortable living quarters where the majority of the members live during their last two or three years in college. While these social organizations are in the main run by their undergraduate members, their activities are also guided by a House Management Committee made up of a student and an alumnus from each group. Each house also has its own faculty adviser.

There are organized student activities of every sort: student government, honorary societies, newspapers and magazines, radio, sports, dramatics, musical organizations, and clubs. Among the most notable are the following:

Sports — Every freshman and sophomore takes part in a program aimed to improve his fitness and to give him an opportunity to play in a team sport and learn a recreational game. And all students are taught swimming and a game such as tennis or golf that they may continue to enjoy after leaving college. A very large number of students play on an intercollegiate or intramural team. Nearly fifty percent participate in intercollegiate contests at some time during their course, and in the junior and senior years, after the required program is completed, more than ninety percent take part in some form of varsity or intramural sports.

Publications — The College has a newspaper, *The Amherst Student*, founded in 1868 and published by an undergraduate board of editors and managers, a senior yearbook, the *Olio*, which first appeared in 1855 and gives a record of college life and individual student careers, and a literary magazine.

Radio — Radio Station WAMF has three studios, a music library of 5,500 records, and a staff of a hundred students. Varied programs are broadcast on an FM signal throughout the college year.

Dramatics — Dramatics is open to all students except first-term freshmen. Students build, light, and paint sets, and act in productions supervised by the Department of Dramatics. All types of plays are given, and several original plays written by undergraduates are presented each year for course credit in dramatic arts.

Music — Each year the Glee Club gives concerts in Amherst and in other towns and cities. It also performs major choral works in joint concert with women's organizations from nearby colleges, in recent years with symphony orchestras. The Smith-Amherst orchestra, which rehearses at Smith College, is open to all qualified undergraduates. There is a Col-

lege Band, which gives concerts in Amherst and other communities, and the Chapel Choir sings at daily chapel and for all academic convocations.

Concerts and Lectures — In recent years the College has presented as lecturers and visitors such people as: Julian Huxley, Robert Frost, Thomas Mann, Paul Hoffman, Madame Pandit, Joyce Cary, Elizabeth Bowen, Aaron Copland, William O. Douglas, and Chester Bowles. The Music Department presents each year three or four concerts of professionals, and informal concerts are given by faculty members or students of Amherst and Smith. The College brings to Kirby Theater professional groups of players or dancers for occasional performances. There are various film series, some sponsored by the modern language departments. Opportunities to hear lectures and music, to see plays and foreign films are increased many times through the generosity of the other colleges in the community. All three of the nearby colleges offer lectures, concerts, art exhibitions, and theatrical performances that are open to the public. Worthy of special mention are the concert series of Smith, Mount Holyoke, and the University of Massachusetts, at which some of the leading orchestras and soloists can be heard every year.

Religious Associations — The Christian Association is organized and managed by undergraduates. It seeks to give form and focus to the religious interests of the students, to develop a program of religious discussion and work in the College, and to sponsor charities and social work. It also maintains a "Little Chapel" that is always open for prayer and meditation and where students conduct weekly services throughout the year. Amherst undergraduates are welcomed at the Sunday services of all the local churches and can participate in such activities as choirs and young people's groups. The undergraduates also organize and participate in special services at the College, such as a candlelight musical service at the Christmas season.

The College Staff includes a Chaplain and an Assistant Chaplain. Both are connected with local churches, but devote approximately half their time to the interests of the college students. They assist in the conduct of the chapel services, act as chaplains in offering religious counsel and guidance to the students, lead discussion groups, and assist the Christian Association in developing religious work of various types among the undergraduate body.

The College also has religious advisors to Catholic and Jewish students.

After Graduation

The College offers an occupational guidance program that enables students to discover their special interests, aptitudes, talents, and powers, to become familiar with the best techniques of obtaining a desirable job,

and to recognize the principal adjustments needed in changing from life on the campus to one in the business and professional world. In the first semester of freshman year each student is given a booklet outlining a four-year program of investigation for those uncertain about their occupational future. As a further aid to graduating students seeking work, the alumni organization assists seniors by arranging interviews with visiting representatives of business and industrial firms and by sponsoring a Career Conference at the College during the winter.

A student counselor who is a member of the faculty is also available for career guidance. Other members of the faculty also assist in the guidance program.

At least two-thirds of every senior class goes on to some sort of graduate school, and the majority of living graduates are quite evenly divided between business and the various professions. The business group includes men in firms of every description. In the professions there are large numbers of lawyers, doctors, educators, and clergymen, with sizeable quotas of public servants, engineers, editors and writers, and scientists. There are also farmers, architects, and artists, and men in radio, television, and aviation. Graduates of considerable reputation are found among clergymen, college presidents and scholars, business executives and statesmen. In government there have been a number of Amherst men in important positions — a President of the United States, a Chief Justice of the Supreme Court, three Speakers of the House of Representatives, Ambassadors to foreign states, a President of the International Bank, a United States High Commissioner for Germany. Studies of College graduates who have become members of the National Academy of Arts and Sciences and of those listed in *Who's Who* show a consistently high percentage of Amherst alumni represented.

The Folger Shakespeare Library

By the will of the late Henry Clay Folger of the Class of 1879, there was bequeathed to the Trustees of Amherst College the Folger Shakespeare Library in Washington, D. C., together with an endowment for maintenance, later increased by the generosity of Mrs. Folger.

The building, located on East Capitol Street directly east of the Library of Congress, was erected at a cost of more than $2,000,000. Its endowment now stands at about $10,000,000, and its collections are valued at about $3,200,000. On the Library's main floor are: an Exhibition Gallery with displays of rare books, manuscripts, paintings, and miscellaneous curios and works of art; an Auditorium in the form of a reproduction of the interior of an Elizabethan playhouse; a large Reading Room, representing a Tudor Banqueting Hall and hung with early tapestries; four Vaults, containing the rarest portions of the collections; a Reception Room for social purposes; and Administration Offices. On the second floor are the working rooms of the Library's Accessions Department, the Catalogue Department, and offices for members of the staff. A Photographic Department is in the basement. Reading machines for microfilm are found in the stacks

The Library concentrated its original collection largely upon the life, writings, and influence of William Shakespeare, but during the past two decades it has increased its rare books and manuscripts in related fields until today it has one of the largest collections in the world for the study of British history of the sixteenth and seventeenth centuries. Only the British Museum has a larger collection of early English books.

Under the plan of the Trustees of the College, in addition to maintaining its traditional interest in Shakespeare and English Renaissance literature, the Library is exploiting other fields as well. Efforts are made to expand it as an efficient laboratory of research and investigation. Aid and encouragement are given literary and historical scholars capable of making the most significant use of the Library's great collection of source materials. The Library has also developed reference collections which scholars require for the efficient utilization of rare books and manuscripts.

Research facilities of the Library are not open to casual visitors, but permission to use them may be obtained by qualified scholars upon application to the Director. Interested individuals and groups are cordially invited to visit the FOLGER's public rooms.

FOLGER LIBRARY OFFICERS

LOUIS BOOKER WRIGHT, PH.D., LITT.D., L.H.D., LL.D.	*Director*
JAMES GILMER MCMANAWAY, PH.D.	*Consultant in Literature and Bibliography*
GILES EDWIN DAWSON, PH.D.	*Curator of Books and Manuscripts*
ELEANOR PITCHER	*Assistant to the Director*

Virginia A. LaMar	*Executive Secretary*
Lilly C. Stone	*Chief Cataloguer*
Dorothy E. Mason	*Reference Librarian*
Elaine Fowler	*Reading Room Supervisor*

The Merrill Center for Economics

The Merrill Center for Economics is located at The Orchard, Southampton, New York. The Orchard was presented to Amherst College in 1951 by Charles E. Merrill, an alumnus of the Class of 1908. Each summer, the Center brings together several groups of experts in the field of economics to discuss some important economic problem. They live together at The Orchard and meet regularly around a conference table and, in addition, have less formal discussions in smaller groups. Attendance is by invitation only, and the conferees are drawn from education, business, and government, both from this country and abroad. Additional speakers are invited to discuss particular problems with the group.

The Orchard consists of a beautiful, spacious house and several additional buildings on its sixteen acres. The main house is particularly noted for its paneled music-room and main staircase. Together with the Annex, it can comfortably house about thirty persons. The houses are surrounded by extensive lawns and formal gardens. The library contains current economic periodicals and is supplemented each summer as necessary with books from the Amherst College Library.

The Merrill Center is administered by the Trustees of Amherst College. Dr. Willard L. Thorp, an alumnus of Amherst in the Class of 1920 and former Assistant Secretary of State for Economic Affairs, is director of the Center. Dr. Thorp is also Professor of Economics on the Amherst faculty.

I

Admission, Regulations, Fees, Scholarships and Degree Requirements

Admission

General Statement

Admission to Amherst College is competitive. The College attempts to select for admission those applicants who seem best qualified to benefit from the opportunities offered by an Amherst education. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic performance in high school or independent school, (2) results of the College Entrance Examination Board Scholastic Aptitude and Achievement Tests, (3) the recommendation of the high school principal or headmaster, (4) evidence of industry and resolution, (5) the character, health, and extracurricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

How and When To Apply for Admission

Correspondence regarding admission to the freshman class should be addressed to the Dean of Admission, Amherst College, Amherst, Massachusetts. Each applicant for admission to the freshman class must file a formal application with the Dean of Admission, preferably before March 1 of the year in which he expects to be admitted. Under certain circumstances, later applications will be considered. The formal application should be accompanied by a check or money order for $10.00 made payable to *The Trustees of Amherst College.* This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

A preliminary application may be filed at any time prior to the applicant's senior year. Once this preliminary application has been filed and acknowledged, the College assumes the responsibility of forwarding all formal application forms at the proper time. No priority is given to early applications.

Entering students are admitted only at the beginning of the regular college year in September.

Scholarship applicants should refer to pages 29–31.

Interview Hours—Admission Office

The Admission Office is open on weekdays from 8:30 a.m. until 12:30 p.m. and 2:00 p.m. until 4:00 p.m. and on Saturdays from 8:30 a.m. until

12:30 p.m., but through the summer months and until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays. Where possible, applicants for admission are advised to visit the College and discuss their educational plans with an Admission Officer. Interviews are not required, however. *It is advisable to write for an appointment with an admission officer if you plan to visit the College.*

Recommended Preparation

The following minimum program of studies is recommended for students planning to enter Amherst College:

English	4 years
Mathematics	3 years
Foreign Language	2 years (3 or 4 years of one preferred)
History	1 year
Laboratory Science	1 year

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics (intermediate mathematics, emphasizing basic algebraic, geometric, and trigonometric concepts and deductive reasoning), and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

For graduation Amherst College requires competence (oral and written) in a foreign language, ancient or modern. In selecting a new class, some preference is given to candidates who present the following programs in foreign language in the following order:

First preference—four years of one language;

Second preference—three years of one language;

Third preference—two years each of two languages.

Candidates who apply from secondary schools which offer little or no language instruction will be judged by their other intellectual aptitudes and achievements and their readiness for the Amherst curriculum. Amherst College recommends, where possible, that a student continue to study the language he begins in secondary school through completion of the college requirement.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Dean of Admission.

Advanced Placement

In certain subjects candidates who have completed advanced work in secondary schools may apply for advanced placement at Amherst. Each case will be considered individually on its own merits. Candidates interested in Advanced Placement are urged to take the Advanced Placement Tests given by the College Entrance Examination Board. Questions about Advanced Placement should be directed to the *Dean of Admission.*

Scholastic Aptitude and Achievement Tests

All applicants for admission are required to take the Scholastic Aptitude and three achievement tests. Applicants are urged to take the January aptitude tests, but may take the March tests. Achievement tests should be taken in March of senior year. Applicants should register for these examinations as soon as possible with the Secretary of the College Board, Box 592, Princeton, New Jersey. Students living in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii or Australia should register with the Secretary of the College Board, Box 9896, Los Feliz Station, Los Angeles 27, California. Veterans are exempted from these tests if their location and service make examinations impossible.

Achievement tests in March of Senior year should include English, and the tests in language and mathematics if these subjects are being studied in *Senior year. Applicants who wish to deviate from this program should consult the Dean of Admission.* It is recommended that all students in the eleventh grade who plan to attend a college using the College Board Tests take the May Scholastic Aptitude Tests and the Achievement Tests in language and mathematics, if these subjects are not to be pursued in twelfth grade.

Students who graduate at mid-year time should take all tests in December or January of Senior year.

Regents Examinations

Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the Scholastic Aptitude and Achievement Tests given by the College Entrance Examination Board.

Admission from Other Colleges or Institutions of Collegiate Rank

Correspondence concerning admission of transfers should be addressed to the Dean of Admission.

To be eligible for transfer the candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.

2. He must have completed creditably the work of at least one year in an institution of collegiate rank, and his general average at the institution he is leaving must correspond to or be better than the Amherst diploma average of seventy per cent.

3. He must present a statement of honorable dismissal.

Candidates for admission by transfer are admitted in September only.

Candidates should note that, in general, only students with a B average or better will be accepted for admission as transfers, and should further note that few if any transfers will be admitted to Amherst in September of 1960.

Special Booklet

A descriptive booklet entitled *This Is Amherst* may be had upon application to the *Dean of Admission.*

Cooperative Engineering-Science Program

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College will permit a student of high standing to pursue a five-year program in which the first three years will be spent at Amherst College and the last two years at the Massachusetts Institute of Technology, or any other engineering school approved by the Dean of the College with the understanding that if the five-year program is satisfactorily completed the student will receive the degree of Bachelor of Arts from Amherst College and the degree of Bachelor of Science from the engineering school.

Four College Cooperation

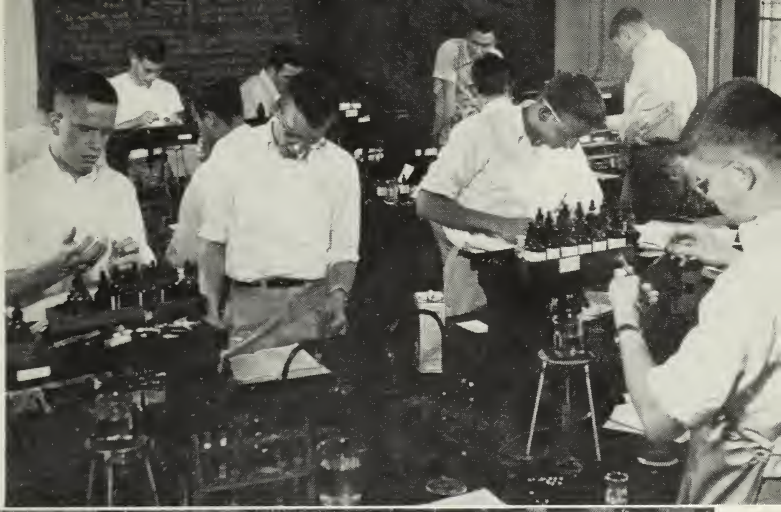
Amherst has an arrangement with Mount Holyoke College, Smith College and the University of Massachusetts by which any of their courses are open to our students if properly qualified and if, in the opinion of the Dean, this procedure seems reasonable. The courses concerned will ordinarily be advanced courses in the student's major subject, not available currently on this campus. In general, permission to take courses on another campus will be given only to students who are candidates for honors.

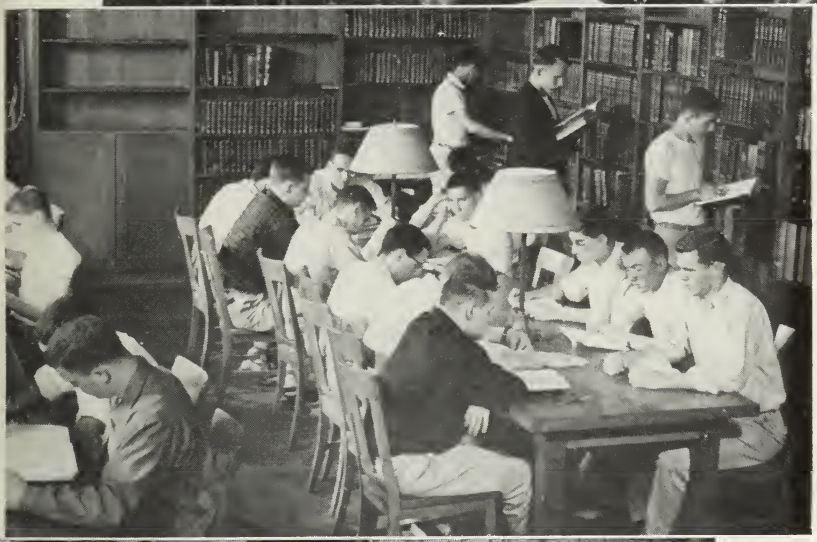
Students interested in such courses will find current catalogs of the other institutions at the Loan Desk of the Library. Application blanks may be obtained from the office of the Dean.

The War Memorial to Amherst alumni lost in World Wars I and II

The town common, faced by fraternities, runs into the campus

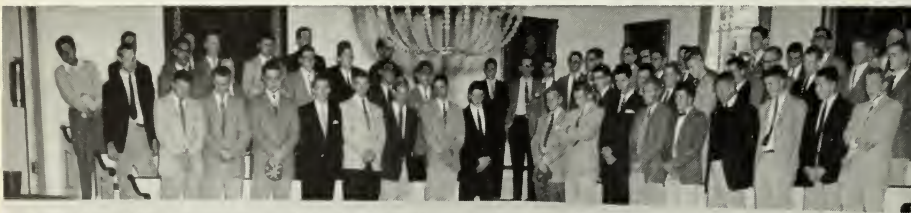
Converse Memorial Library





James and Stearns Halls, Amherst's newest dormitories, house freshmen

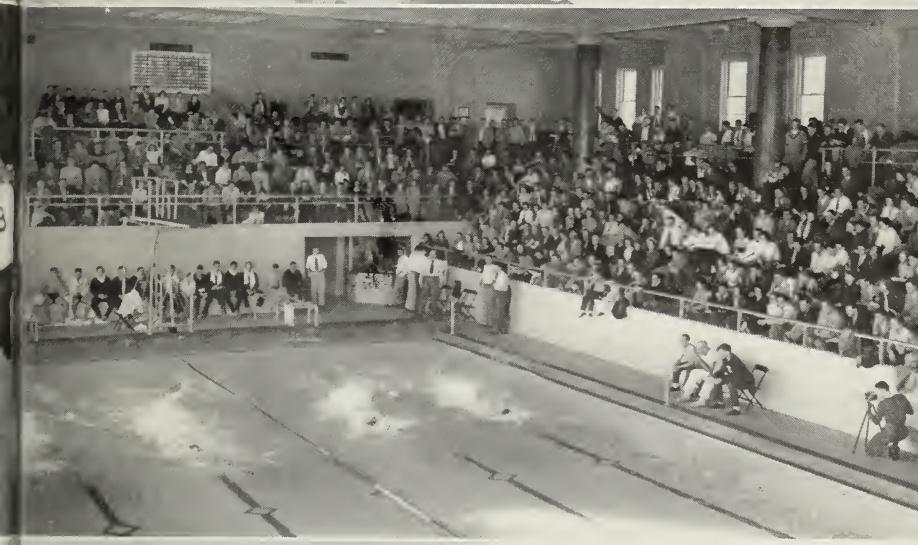
Academic procession of the faculty begins the year in Johnson Chapel



***Pratt** Dormitory is one of three residence halls for upperclassmen*

At a change of classes a group of freshmen leave Physics Laboratory

34
45
78



The Brass Choir playing Christmas carols on Converse Library steps

A joint concert by the Amherst and Smith Glee Clubs at Smith College

The annual freshman-faculty picnic at nearby Outing Club cabin

Prom, in the Alumni Gymnasium, is an all-College affair each spring

Barrett Hall, the nation's 1st gymnasium, is now a language building

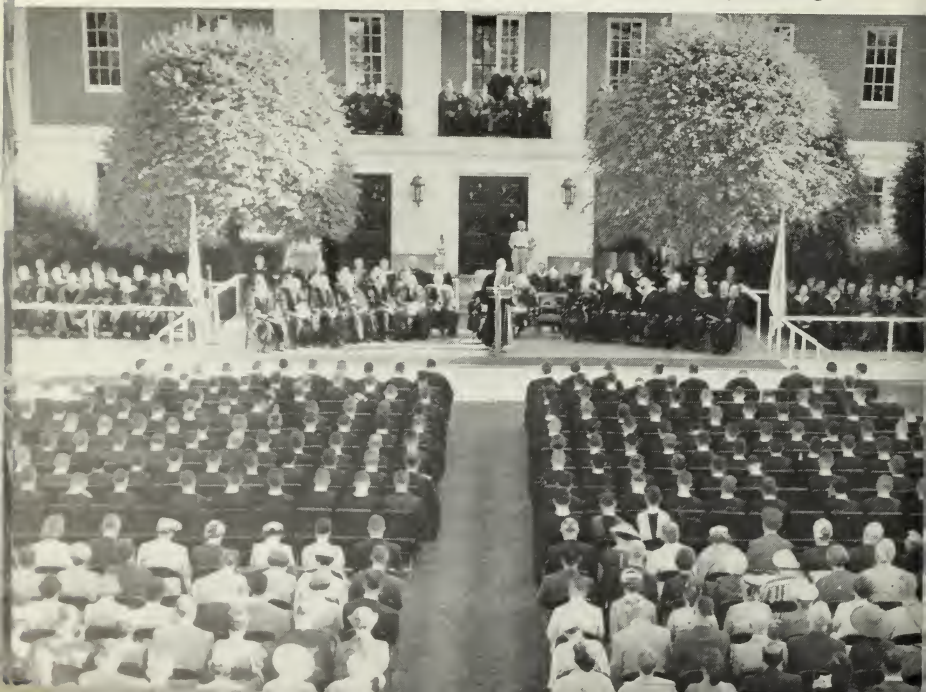
Pratt Museum contains extensive natural history and geology collections

Production of Molière's "The Miser" by the undergraduate dramatic group

Kirby Memorial Theater provides complete facilities for dramatic arts

*The Mead Art Building—**new center** for the College's fine arts **program***

Commencement is held outside each June in the Gymnasium quadrangle



The Merrill Center for Economics at Southampton, L. I., N. Y., and–

–the Folger Library in Washington are operated by Amherst's trustees

Regulations

Terms and Vacations

The college year 1959–1960 includes two regular semesters of sixteen weeks each. In the fall semester there is a Thanksgiving recess of approximately five days, and a Christmas vacation of two weeks; and in the spring semester, a vacation of two weeks.

Attendance at College Exercises

The officer in general charge of matters concerning attendance at college exercises is the Assistant Dean of the College.

Students are expected to attend classes regularly and promptly. Attendance at all laboratory periods is required. First-term freshmen and students on probation are allowed no unexcused absences from class or laboratory periods. Each student, unless he is on the Dean's List, must attend his last class before and his first class after the Thanksgiving, Christmas and Spring recesses. At the beginning of the semester each instructor will state his policy with regard to absences in his course, and thereafter he will report to the Dean's Office the name of any student who violates the regulations which the instructor has set up for his own course. In such cases the Dean's Office will take appropriate action which may include a reduction in his credit hours or he may be dropped from the course, or he may be suspended, or he may be dropped from college.

Absences for certain recognized reasons are normally excused. Considerable discretion should be used with regard to unexcused absences, since such absences, even if not excessive, tend to reduce the effectiveness (or value) of the course. The responsibility for any work missed because of an absence rests entirely upon the student.

All official college vacations and holidays are announced on the College Calendar appearing on page 5 of this catalog.

Morning chapel services are conducted Monday, Tuesday, Thursday and Friday mornings. All students are required to attend one-half of the chapel services each week.

Student Discipline

The officer in general charge of student discipline and conduct is the Assistant Dean.

Conduct befitting a gentleman is expected at all times of students at Amherst College. It is assumed that undergraduates will understand what constitutes gentlemanly conduct without specific regulations forbidding particular actions.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and without as-

signing any further reason therefor; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

Records and Reports

The officer in charge of records and reports is the Registrar of the College.

Reports of standing are sent to parents or guardians at the end of each term. Rank in each subject is reported numerically as follows: A, 90–100%; B, 80–89%; C, 70–79%; D, 60–69%; E, 50–59%; F, below 50%. The passing grade in each individual course is 60%, and an overall average of at least 70% is required for a degree.

Students' records are confidential and information is released only at the request of the student or of appropriate institutions and officials. Partial transcripts are not issued. Each transcript includes a student's complete record at Amherst College to date.

The first three transcripts are furnished free of charge. For additional transcripts there is a charge of $1.00 each, due at the time the transcript is issued at the Office of the Registrar. Checks should be made payable to Amherst College. No records are issued to or for students with unpaid accounts at the Comptroller's Office.

Rooms and Board

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc.; they may not add beds, sofas, lounges, or other furniture of such nature except under certain circumstances. More complete regulations for dormitory occupancy are contained in the Student Handbook. Room assignments are noted on the invoice from the Comptroller s Office.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals for any reason.

Student Health

The officer having general supervision of health, medical care and physical development is the College Physician.

The Student Health Office is in the Gymnasium. The College Physicians have regular hours when they may be consulted for problems concerning health, injury or illness. Every new student is given a physical

examination soon after his arrival, for the purpose of making a general survey of his health, and in order to classify and advise him as to suitable physical and athletic activity. The College Physician medically supervises all athletic activities, and provides first aid and medical care in case of injury.

The College Infirmary is a modern well-furnished and comfortable building which has a normal capacity of 22 beds, easily expanded to 40 beds when needed, and to 90 beds in case of an epidemic. It is staffed on a 24-hour basis by graduate nurses.

The regular medical staff includes the College Physician on a fulltime basis, and an orthopedist and psychiatrist who have regular consulting hours on a part-time basis.

Facilities for the adequate care of the great majority of the students' illnesses and injuries are available in the Student Health Office and College Infirmary. Outside medical consultants in almost all specialties are available when recommended by the College Physicians. Hospitalization, when needed, is usually at the Cooley Dickinson Hospital in Northampton.

A health fee of $20 per semester is charged to each student. This entitles him to the services of the Student Health Office, the College Infirmary and the College Physicians for illnesses and injuries occurring while college is in session, but does not assume the cost of continuing treatment of illness or injury contracted prior to the student's admission to Amherst or while college is not in session, nor are any of these benefits available to a student after his graduation, withdrawal or dismissal from College. It does not include the cost of off-campus services, such as outside medical services, medical consultants, hospitalization, medical or surgical services in hospital, special nursing, outside laboratory or x-ray services, dental care, medical prescriptions, glasses, etc.

There is available to all students a group accident and sickness insurance policy effective for twelve months beginning September 15th of each year at a cost of $20 a year. The College merely collects this premium for the Indemnity Insurance Company of North America which writes the policy. Briefly, this is a "blanket" policy which covers 80% of all medical expenses while under the care of a legally qualified physician or surgeon, to a limit of $5,000, subject to a deductible sum of $50 for services incurred at a time when the college facilities are not available. Routine dentistry is not covered.

No student will be admitted to Amherst College who has not been successfully vaccinated for small-pox or who is unwilling to submit to such vaccination by the College Physician within three months after admission.

Students who are unable to attend classes because of illness are expected to go to the Infirmary unless living with their families in Amherst or

vicinity. Sick excuses are given only for such time as is spent in the infirmary; or if with their families under a physician's care.

Parents will be notified of infirmary admissions in the case of significant illness or injury. If such cases are serious or unusual, notification will be by telephone. In emergencies requiring immediate surgery, when parents cannot be consulted in advance, the President will assume responsibility for the authorization of operation.

Occupational Guidance

In liberal arts colleges such as Amherst, where few studies are of direct occupational significance, it is natural that many undergraduates find their most perplexing problem that of making a proper choice of a life career. To help undergraduates solve this problem, the College offers an occupational guidance program under the leadership of a Director of Guidance and Placement. This program assists students to (1) discover their own special interests, aptitudes, talents, and powers; (2) discover the most promising outlets for these special and individual powers; (3) become familiar with the best techniques in obtaining a job, (4) recognize the principal adjustments needed in changing from a life on the campus to one in the business world, and (5) arrange for interviews with government agencies, business concerns, and other groups interested in employing Amherst graduates. An important part of the guidance program is the annual Career Conference which brings to Amherst lawyers, doctors, teachers, government employees, business men and others for a week end of discussion with interested undergraduates in many career areas.

The undergraduate who participates in this voluntary program will find himself better prepared to make a wise vocational choice and better equipped to face the business world.

Tuition and Fees

The officer having general supervision of the collection of Tuition and Fees is the Comptroller.

A candidate's formal application for admission should be accompanied by a $10.00 application fee in check or money order made payable to Amherst College. Upon notification of admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of $100 which will be credited in full on the first term bill.

Student accounts are payable at the Office of the Comptroller. Semester bills will be mailed approximately two weeks before the due date. Freshmen and other new entrants should make payments on or before arrival. Advance payment by mail upon receipt of bill will be a convenience to the student and to the college.

For those who wish the convenience of monthly payments, arrangements have been made for a pre-payment plan, including insurance for continued payment in case of death or disability of the parent. For further details write to Insured Tuition Payment Plan, 112 Water Street, Boston 9, Massachusetts.

Unless special arrangements have been made with the Comptroller *in advance*, payment in full is expected when due. The due dates are Friday, September 18, 1959 for the first semester, and Monday, January 25, 1960 for the second semester.

Identification cards must be picked up in person at the Comptroller's Office before course cards may be obtained.

Summary of Charges

	Each Semester	*Total for Year*
Tuition	$525.00	$1,050.00
Room	137.50	275.00
Board	225.00	450.00
Health Fee	20.00	40.00
Intercollegiate Athletic Fee	16.00	32.00
Student Activities Fee	16.50	33.00
Total	$940.00	$1,880.00

On the first semester bill will be a charge of $20 for twelve months Accident and Sickness Insurance from Sept. 15. If this protection is not desired, the parent or guardian may, not later than Sept. 18, state in writing that the college is relieved of all responsibility in this connection, and request cancellation of the charge. The required Health Fee of $40 covers only the services of college doctors and campus facilities while

college is in session, but no off-campus facilities, consultants or surgeons.

Each new student, or former student reentering, is charged a $25 Guarantee Deposit refundable after he graduates or otherwise leaves college, less any unpaid charges against him.

Each Senior or candidate for M.A. degree is charged a degree fee of $15 in his final semester.

Miscellaneous charges such as fees for late registration, change of courses, extra courses, library fines, lost or damaged property, etc., are payable currently when incurred.

For delinquencies in Physical Education a charge of $30 will be levied each semester following sophomore year until the delinquency is removed.

Scholarship awards will be credited on the semester bills. Scholarship loans will be credited after signed notes are received. Scholarships from outside donors will be credited when received. Awards on the second semester bill are tentative, subject to a satisfactory record in the first semester work.

The $100 advance payment collected from entering Freshmen at the time of acceptance will be credited on the first semester bill.

A fee for the support of various activities of the student body is determined by the Student Council. This fee is collected by the College and turned over to the Director of Student Activities for expenditure under his supervision. For the year 1959/60 the fee has been set at $30.00. For this fee each student receives a copy of the yearbook, the OLIO; a one year's subscription to the student newspaper and magazine, *The Amherst Student* and *The Amherst Literary Magazine;* and contributes to the support of the college band, the Glee Club, the Prom, the Debate Council, the radio station, the crew, and sundry other activities of the student body which fall under Council jurisdiction. To this fee is added $3.00 covering admission to Masquers performances which are under College rather than Council jurisdiction, making a total of $33.00, one half of which, $16.50, will appear on each semester bill.

Summary of Expenses

Beyond the total amount billed by the College will be the student's personal expenses, membership dues in student organizations, clothing, travel, books, and miscellaneous items, all of which will vary greatly with the individual but will probably range from one to two hundred dollars per semester.

Scholarships and Financial Aid

The officer directly in charge of the administration of scholarships and beneficiary aid is the Associate Dean.

The beneficiary funds of the College aggregate over $2,700,000. The income of these funds is distributed annually among students of high character and superior scholastic ability who can demonstrate financial need. For a full list of the funds see the Appendix.

Scholarships for the Three Upper Classes

Applicants for scholarships, or for renewal of scholarships, from the three upper classes must file at the Associate Dean's office, on or before May 1st, an account of their income and expenditures for the preceding year, and an estimate of their income and expenditures for the following year.

As a minimum scholastic requirement, applicants for scholarships from the three upper classes must pass all of their courses of the preceding year with an average of at least seventy-six per cent. In general, awards are restricted to students who stood in the upper half of their respective classes during the previous college year.

Scholarships for Incoming Students

More than 65 scholarships are awarded annually to applicants for admission to college who are in need of financial aid and who meet in full the entrance requirements. These scholarships range from $200 to $2000 per year. They are awarded for the first term in residence and entitle the recipient to a credit on the first bill. The continuation of each scholarship for the following term depends upon the student's passing all of his courses in his first term with an average of at least seventy-six per cent, and, when granted, involves a credit on the next term bill. All candidates for these scholarships must be candidates for admission and must take the Scholastic Aptitude Test and Achievement Test, given by the College Entrance Examination Board. Correspondence concerning scholarships should be addressed to the Associate Dean of the College, Amherst College, Amherst, Massachusetts. Each applicant for scholarship aid must file a formal application before February 1. No special examinations are needed other than the College Board tests required for Admission.

Scholarship Funds

Throughout the whole history of the College, funds have been given or bequeathed, the incomes of which are to be used for the assistance of worthy and needy students. A few of these funds are restricted to candidates for the ministry and a few of them are restricted by other factors,

such as the geographical location of the home of the applicant. In some cases it is stipulated that the award from a particular fund shall be made to a particularly designated student. For the most part, however, the income of these funds may be awarded as the College sees fit. Three State Scholarships of full tuition are awarded annually to qualified residents of Massachusetts.

Financial Aid Policy

In recent years the cost of attending colleges and universities has risen considerably and with it there has been an increased need for financial aid. To handle this, Amherst has recently broadened its financial aid program so that scholarship grants, loans and employment all play an important part. Once the financial assistance required by a student is determined, a portion of the aid may be an outright grant in the form of a scholarship, a portion may be in the form of a loan, and some may be supplied through the earnings of the student at college. Generally speaking, the loan will not exceed 20% of the total aid in the sophomore year, 30% in junior year and 40% in senior year. Special circumstances of an individual may vary these proportions. The loans bear an interest rate of 1% per annum until one year after leaving Amherst, or completion of graduate school or military service. Thereafter, repayment will be made at a minimum of $10 per month which will include interest at the rate of 2% per annum. Scholarship aid is not contingent upon acceptance of a loan, and some students may prefer to earn more money in the summer or during the college year so that no loan will be needed.

In addition to the loans which are made in conjunction with scholarship grants there is a Student Loan Fund (see below).

Special Scholarships

Sloan National Scholarships: These special awards were established by the Alfred P. Sloan Foundation and are open to applicants who reside in the continental United States. With one exception, the stipends granted under these scholarships will vary with the financial need of the applicant. Awards will range from a minimum of $200 to a maximum of $2000 and will be renewed each year provided the recipient's performance continues on a high level and his relative financial need does not change. One $200 honorary Sloan Award will be made to an outstanding applicant irrespective of financial need. Sloan awards will be made to men who have outstanding academic records in secondary school, who have demonstrated unusual initiative, and who appear to have the character and personality required for future leadership.

Alumni Fund Scholarships: A limited number of special awards financed from the Amherst Alumni Fund are available for outstanding students de-

pending upon financial need. Stipends range up to $1500 and are renewed annually unless the recipient fails to maintain a high scholastic average or his financial need decreases.

General Motors College Scholarship: The stipend for this award is determined on the basis of demonstrated need up to a maximum of $2,000 per year. The purpose of this award is to provide funds to enable an outstanding student to attend college irrespective of his financial resources. The primary considerations apart from demonstrated need are the worth, talent, and qualifications of the individual applicant. The General Motors award will be renewed for the four undergraduate years provided the student continues to meet the required standards.

Procter and Gamble Scholarship: This award includes full tuition and an annual allowance for books, fees, and supplies (excepting room and board) for the entire four-year course. This scholarship will go to a student of unusual ability and promise who could not attend college without considerable financial assistance.

Other Special Scholarships: Also available in recent years have been scholarships sponsored by several other foundations, trusts, and corporations. These organizations include The Westinghouse Corporation, The Edwin Gould Foundation for Children, Merrill Lynch, Pierce, Fenner & Smith. The Agnes M. Lindsay Trust, the Hubshman Foundation and the Allied Chemical and Dye Corporation.

Residents of Amherst

Free tuition may be granted at the discretion of The Trustees of Amherst College to applicants for admission who can satisfy in full the entrance requirements for Amherst College, who have been residents of Amherst for three years before the time of admission to college, and whose parents have also been residents of Amherst for three years. The grants of free tuition are continued throughout the college course, provided the students concerned satisfy the scholarship requirements of the College, conform to its regulations, and the parents of the students concerned continue to live in Amherst.

Student Loan Fund

Through the liberality of friends of the College, provision is made for loans of a limited amount to a few students in the later years of the course, at a low rate of interest, upon notes to be paid in subsequent years. In accordance with the conditions imposed by the donors of the Loan Fund, its use is limited to students in good scholastic standing whose habits of expenditure are economical. Application blanks may be obtained at the Associate Dean's office.

Degree Requirements

MASTER OF ARTS

The Master of Arts degree is conferred upon students who have received the Bachelor of Arts degree either from Amherst College or from another college which has similar requirements for the Bachelor of Arts degree, and who have met the requirements described below. Application forms and a detailed explanation of the requirements may be obtained from the Dean. The tuition charge for the Master of Arts degree is $1,050.

Requirements for Master of Arts Degree

To become a candidate for the Master of Arts degree, students are expected to have at least a B average or its equivalent in their undergraduate work. They should secure approval of proposed courses of study from the Dean, the department concerned, and the Committee of Six, not later than the June preceding the opening of the college year in which they plan to begin work for this degree.

Candidates are required to complete at least eight semester courses of advanced character, or the equivalent, under the direction of the department concerned, to secure grades of at least B in every course, to spend a minimum of two semesters in residence in Amherst College, to prepare a satisfactory thesis, and to pass oral and written comprehensive examinations.

BACHELOR OF ARTS

The degree of Bachelor of Arts is conferred upon students of Amherst College who have satisfactorily met the requirements prescribed for that degree. The plan of studies leading to the degree Bachelor of Arts is arranged on a basis of the equivalent of an eight-semester course to be pursued by students in residence at the College.

The Bachelor of Arts degree *cum laude*, *magna cum laude* or *summa cum laude* (Degree with Honors) is awarded to students who have successfully completed an approved program of honors work with a department or group.

To other students who have satisfactorily met the requirements the degree Bachelor of Arts *rite* is awarded.

Requirements for Bachelor of Arts Degree

The degree of Bachelor of Arts is awarded to students who complete a minimum of one hundred and twenty-eight credit hours, of which at least sixty-four must be completed in the freshman and sophomore years, and at least sixty-four in the junior and senior years; who in freshman and sophomore years complete three two-year sequence courses in natural science, social science, and English-Humanities; who in junior and senior

years take at least fifteen credit hours outside the division in which they are majoring; and who complete certain prescribed work in public speaking and physical education.

Note A: A Sophomore who finds it necessary to exceed the sixty-four credit-hour minimum of the first two years in order to take an introductory course in a department in which he plans to major may, with the Dean's permission, postpone a required sophomore course to the junior year.

Note B: A portion of the fifteen credit-hour extra-divisional requirement may be waived by departmental representatives whenever they consider it justified. In such cases, students, both *rite* and honors, must submit a written statement to the representatives of the departments in which they are majoring giving the reasons why the requirement should be waived.

Note C: With permission of the Dean students may take Astronomy 22 in lieu of Science 22 in satisfying the sophomore science requirement.

Note D: In order to satisfy the Humanities requirement, students must elect, in addition to the prescribed freshman humanities course, three further semester courses, for a total of at least nine credit hours, from the following three groups:

(a) Philosophy, Religion, Classical Civilization
(b) Music, Fine Arts, Dramatic Arts
(c) English or foreign literature.

The requirement may be met *either* by electing one semester course from each of the three groups *or* by electing two semester courses from one group and an additional semester course from either of the other two groups. Two of these courses must be completed by the end of the sophomore year. The particular courses which may be offered in satisfaction of this requirement are those designated by the departments concerned in their announcement of course offerings, and are listed on page 6, Section 3 of the 1959–1960 *Announcement of Courses.*

Candidates must have no deficiencies in the work of any year; must satisfy the language requirement in French, German, Italian, Russian, Spanish, Latin or Greek; must attain a general average of 70 percent in the courses completed at Amherst College and a grade of at least 70 percent in every course completed in another institution.

Note E: Candidates' averages each semester are computed on the basis of all courses taken at Amherst College, and candidates must have a general average, including failure grades, of 70 percent in courses taken at Amherst College to be eligible to receive the degree Bachelor of Arts.

A major consists of the equivalent of thirty credit hours pursued under the direction of a department or special group. A major cannot begin later than the junior year and may begin in either the freshman or sophomore year. At least one course in the major must be included in each semester

of both junior and senior years. Each department decides whether a freshman course in a department shall count toward its major.

The major can be met in accordance with either of two plans:

Plan A: A student may complete the thirty credit hour requirement within one department. He must complete at least twenty-two credit hours within one department, however, in which case he may complete the remaining credit hour requirement in related fields approved by the department.

Plan B: Combinations of courses not provided for under Plan A, but similar in aim to the established group majors in American Studies and Renaissance Studies, may be made with the consent of the several departments concerned and of the Dean.

Language Requirements

The college language requirement may be satisfied in any of the following languages: French, German, Italian, Russian, Spanish, Latin, or Greek.

In modern languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in the language, plus a demonstration of ability to comprehend the spoken language in an oral examination to be given to freshmen at the beginning of the college year.

2. After entrance, by passing course 5 in French, German, or Spanish; or by passing course 21 in Italian; or by passing Course 3 in Russian; or by passing reading and aural comprehension examinations to be given at the end of course 3 in French, German, Italian, or Spanish.

In ancient languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in Latin or Greek.

2. After entrance, by passing Latin 3 with a grade of C, by passing any higher numbered course in Latin, or by passing Greek 3.

Degree with Honors

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the Commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such awards the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 80 to be eligible to be considered for the degree *cum laude*, of 86.00 for the degree *magna cum laude*, and of 90.00 for the degree *summa cum laude*. (2) Candidates must receive the recommendation for the degree *cum laude*, *magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be their practice to make recommendations to the Faculty. (3) In the case of the award of *magna cum laude* and *summa cum laude* the Dean and the Committee of Six will review the entire record of candidates and will transmit to the Faculty their recommendations. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

A student is expected to have a general average of at least 80 percent at the time he is accepted as a candidate for honors in a department or group. However, if the department concerned approves, a student whose average is below 80 percent may become a candidate for the degree with honors.

A candidate for a degree with honors may be permitted, at the discre-

COURSE DIVISIONS
1959–1960

DIVISION I *The Humanities*	DIVISION II *Social Studies*	DIVISION III *Mathematics and Natural Sciences*
Dramatic Arts	American Studies	Anthropology
English	Economics	Astronomy
Fine Arts	History	Biology
French	Legal Studies	Chemistry
German	Political Science	Geology
Greek		Mathematics
Humanities		Physics
Italian		Psychology
Latin		Science
Music		
Philosophy		
Public Speaking		
Religion		
Russian		
Spanish		

tion of the department in which he is majoring, to substitute in his junior year a conference course for one of his regular three- or four-hour courses, and in his senior year a conference course for one or two of his regular three- or four-hour courses.

CURRICULUM FOR FIRST TWO YEARS 1959–60

The complete program for freshmen and sophomores is:

Science	*History*	*Humanities*	*Elective*	*Public Speaking*
		FRESHMAN YEAR		
Physical Science and Mathematics	European Civilization	English and Humanities	Foreign language or other elective	
		SOPHOMORE YEAR		
Two semester courses from: A. Chemistry and Biology B. A semester course in Evolution of the Earth and Man and a semester course in either Astronomy, Biology, Chemistry, Geology, or Psychology C. Astronomy 22 (see Note C, page 43)	Problems in American Civilization	*Two courses from:* A. Literature — English or foreign B. Philosophy, Religion, Classical Civilization C. Fine Arts, Music and Drama	Elective	Public speaking

FACULTY STATEMENT ON INTELLECTUAL RESPONSIBILITY

In response to efforts by the Student Committee to the Faculty to institute an honor system at Amherst College, the Faculty voted the following statement in June, 1958.

A Statement of Intellectual Responsibility Among Students at Amherst College

The following Articles are an institutional expression of the basic fact that every man's education is the product of his own intellectual efforts. Amherst cannot educate a man who will not educate himself. Amherst sees no value in making its facilities available to a man who avoids the responsibility and opportunity for his own education. Every man who enrolls and remains at Amherst, therefore, understands that to submit work which is not his own violates the purpose of the College and of his presence there. No intellectual community can maintain its integrity or be faithful to its members if violations of its central purpose are for any reason tolerated.

This principle of intellectual responsibility applies to all work done by students.

Article I

Initially each student will be furnished with a copy of this statement, and it will be perpetuated in the Amherst College Bulletin, Student Handbook, and other publications deemed appropriate. The following affirmation will be printed on the face of course enrollment cards for every course; it must be signed before enrollment can be considered.

> I have read, understand, and accept the Statement of Intellectual Responsibility Among Students at Amherst College, and agree with this principle as it relates to this course.
>
> .....(signed)

Article II

Section 1. The practice of proctoring examinations is hereby discontinued.

Section 2. The instructor may be present at examinations to answer any questions that may arise.

Article III

The Student Council shall make provision for explaining the Statement of Intellectual Responsibility Among Students at Amherst to incoming

freshmen during the orientation period and for publicizing and interpreting this Statement during the year. The Student Council will consider any problems of maintaining intellectual responsibility which are brought before them by the students. They will make any recommendations which they deem advisable for action by the Faculty and Administration. At some time each year this committee shall also be responsible for a serious review of the effectiveness of these procedures in promoting the central purpose of the College.

II

Courses of Instruction

Courses of Instruction

1959–1960

a. Freshman courses are numbered 1–20; sophomore courses 21–40; and junior and senior courses 41–80.

b. In general, odd-numbered courses are given in the first semester, and even-numbered courses in the second semester; the letter "S" after a number indicates that the number of the course is an exception to the usual numbering system.

c. Honors courses are offered to eligible juniors and seniors and are numbered 69, 70 and 79, 80 respectively. Election of these courses may be made only by candidates for a degree with honors unless exception is made by the department concerned and by the Dean.

Reading Course

INDEPENDENT READING *1 to 3 credit hours*

Under the direction and at the discretion of a member of the faculty, the several departments offer an independent reading course which will permit selected upperclassmen to read widely in a field of special interest. The student will be on his own, will pursue an extensive program of independent reading, and will be subject to an examination at the end of the semester. This examination by his supervisor will determine his grade for the course. The number of credit hours will be based on the extent of the reading the student undertakes and the degree of maturity and difficulty of the body of works read and will be determined by consultation between teacher and student before the start of the semester.

The student will develop a coherent plan of reading beyond the basic bibliography with which he starts and will be able to follow specialized topics opened up by his general reading.

Interested students should consult with a member of the faculty in the department in which they wish to work. *Elective for Juniors and Seniors for not more than one semester per year. Offered first and second semesters for Juniors and Seniors.*

Senior Colloquium

SENIOR COLLOQUIUM. Professors MOORE and EPSTEIN. *4 credit hrs.*

The class will read each week one book of primary importance not commonly assigned in other courses, and will meet with both instructors for discussion once a week in the evening for two hours and a half. Perhaps once a month and at the beginning of the course more frequently, a student will be expected to submit a journal or commonplace book in which he has recorded a critical appraisal of his reading together with other observations. Limited to approximately twelve students. *Elective for Seniors with the consent of the instructor. Second semester. (Omitted 1959–60).*

American Studies

Professors COMMAGER, KENNEDY, LATHAM, † C. MORGAN, * MARX, ROZWENC, TAYLOR, WARNE, and ZIEGLER; Assistant Professors GREENE, and HAWKINS; Messrs. GUTTMANN, HALSEY, and KATEB.

Note: For a major in American Studies: (a) At least two semester courses must be taken from American Studies 43, 44, 45, 47, and at least two semester courses from American Studies 25, 27, 53, 54, 59, 60, 61, 62, 63, 64, 66, 71, 73. (b) American Studies 72 is required of all majors who are not candidates for honors. (c) Eight semester courses are required for the major, not including American Studies 21, 22. All of these courses may be taken from those listed in (a) and (b) above, but in special cases other courses may be counted toward the major, if approved by the Department.

Honors candidates will conform to the requirements for a major indicated above and are required to include among the eight courses counting toward their major, American Studies 79 and 80. In addition, the Department recommends that students intending to do honors work take American Studies 70. In conjunction with American Studies 79 and 80, each candidate will write an original essay on a topic which has been approved by the Department. Early in May of his senior year he will take a comprehensive written and oral examination, the nature of which will be determined by his fields of special concentration.

21, 22. PROBLEMS IN AMERICAN CIVILIZATION. Professors COMMAGER, KENNEDY, GREENE, HAWKINS, MARX, ROZWENC, TAYLOR, WARNE, and ZIEGLER; Messrs. GUTTMANN, HALSEY, and KATEB.

A study of selected problems in American civilization. This course does not provide a survey of American history, but centers attention on a limited number of topics which are treated from various viewpoints, including the political, economic, and cultural. Five lectures and one two-hour laboratory period every two weeks. *Required for Sophomores. First and second semesters. Four credit hours each semester.*

24. THE AMERICAN ECONOMY. Professor NELSON. *4 credit hrs.*

(Same course as Economics 24.) *Elective for Sophomores. Second semester.*

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. *4 credit hrs.*
Professor LATHAM.

(Same course as Political Science 25.) *Elective for Sophomores. First semester. (Omitted 1959–60).*

27. POLITICAL PARTIES. Mr. KESSEL. *4 credit hrs.*

(Same course as Political Science 27.) *Elective for Sophomores. First semester.*

* *Absent on leave 1959–60.*
† *Absent on leave first semester.*

42. Labor Economics. Professor Warne. *4 credit hrs.*

(Same course as Economics 42.) *Elective for Sophomores. Second semester.*

43. American Literature. Professor Marx. *3 credit hrs.*

(Same course as English 43.) *Elective for Juniors. First semester.*

44. American Literature. Professor Marx. *3 credit hrs.*

(Same course as English 44.) *Elective for Juniors. Second semester.*

45S. American Art. Professor C. Morgan. *3 credit hrs.*

(Same course as Fine Arts 45.) *Elective for Juniors. Second semester. (Omitted 1959–60).*

47. American Philosophy. Professor Nielsen. *3 credit hrs.*

(Same course as Philosophy 47.) *Elective for Juniors. First semester.*

53. Social and Intellectual History of the United States. Professor Rozwenc. *3 credit hrs.*

(Same course as History 53.) *Elective for Juniors. First semester. (Omitted 1959–60).*

54. Social and Intellectual History of the United States. Professor Rozwenc. *3 credit hrs.*

(Same course as History 54.) *Elective for Juniors. Second semester. (Omitted 1959–60).*

55. American Political Theory. Mr. Kateb. *3 credit hrs.*

(Same course as Political Science 55.) *Elective for Juniors with the consent of the instructor. First semester. (Omitted 1959–60.)*

57. The South Since the Civil War. *4 credit hrs.* Professor Hawkins.

(Same course as History 57). *Limited to 25 students. Elective for Juniors. First semester.*

59. Society and Politics in De Tocqueville's America. Professor Rozwenc. *4 credit hrs.*

(Same course as History 59.) *Elective for Juniors. First semester.*

60. Society and Politics in the Era of the New Deal. Professor Rozwenc. *4 credit hrs.*

(Same course as History 60.) *Elective for Juniors. Second semester.*

61. Foundations of American Civilization. *4 credit hrs.* Professor Greene.

(Same course as History 61.) *Elective for Juniors. First semester.*

62. American Diplomatic History. Professor Greene. *3 credit hrs.*

(Same course as History 62.) *Elective for Juniors. Second semester.*

63. American Economic History. Professor Taylor. *4 credit hrs.*
(Same course as Economics 63.) *Elective for Juniors. Limited to 15 students. First semester.*

64. American Economic History. Professor Taylor. *4 credit hrs.*
(Same course as Economics 64.) *Elective for Juniors. Limited to 15 students. Second semester.*

65. Studies in American Romanticism *4 credit hrs.*
Professor Marx
(Same course as English 65.) *Elective for Juniors. First semester. Seminar course limited to ten students, admission with the consent of instructor.*

66. The Progressive Generation. Professor Greene. *4 credit hrs.*
(Same course as History 66.) *Limited to 25 students. Elective for Juniors. Second semester. (Omitted 1959–60).*

70. Introduction to Honors Work in American Civilization.
Professors Greene, Rozwenc and others. *4 credit hrs.*
A study of classic writings in diverse areas of American Civilization plus modern works representing problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly. *Elective for Juniors with the consent of the department. Second semester.*

71. The Origins and Development of American Nationalism.
Professor Commager. *3 credit hrs.*
(Same course as History 71.) *Elective for Juniors. First semester. (Omitted 1959–60).*

72. Seminar in American Civilization.
Professor Hawkins and others. *4 credit hrs.*
A study of selected topics in American Civilization including problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly. *Elective for Seniors with the consent of the instructor. Second Semester.*

73. Conference Course in American Intellectual History.
Professor Commager. *4 credit hrs.*
(Same course as History 73.) *Elective for Juniors. First semester. Limited to 15 students.*

74. Conference Course in American Intellectual History.
Professor Commager. *4 credit hrs.*
(Same course as History 74). *Elective for Juniors. Limited to 15 students. Second semester.*

75. Conference Course on the Revolution and the Constitution.
Professor Commager. *4 credit hrs.*
(Same course as History 75). *Limited to 15 students. Elective for Juniors. First semester. (Omitted 1959–60).*

76. Conference Course on the Revolution and The Constitution.
Professor Commager. *4 credit hrs.*
(Same course as History 76). *Limited to 15 students. Elective for Juniors. Second Semester. (Omitted 1959–60)*

79. Seminar in American Civilization. *6 credit hrs.*
Professors Commager, Greene, Marx, and Rozwenc.
Honors work in American civilization. One two-hour session weekly. Limited to fifteen students. *Elective for Seniors with the consent of the instructor. First semester.*

80. Honors. *6 credit hrs.*
Elective for Seniors. Second semester.

Anthropology

41. Cultural Anthropology. *3 credit hrs.*
A seminar dealing with the evolution of cultures from neolithic to modern times in Europe, India and China. Some of the classics of anthropological literature are studied. Individual projects are encouraged dealing with the dynamics of culture change in modern times. *Elective for Juniors. Limited to 12 students. First semester. (Omitted 1959–60).*

Astronomy

Associate Professors Linnell and Yoss; Assistant Professor Howard; Mr. Koch

Amherst College has joined with her sister institutions in the Connecticut Valley in the formation of a single joint Department of Astronomy. Insofar as possible during the 1959–60 school year, advanced courses will be given jointly.

Two alternative programs are available leading to a degree in astronomy. One is the honors program, designed to meet the needs of those students who wish to prepare themselves for graduate work in astronomy or astrophysics, or who wish a combined honors program with mathematics or physics. The other is the departmental major, for the student who wishes to study astronomy largely for its cultural value, but who does not plan graduate study.

Equipment available for thesis work in either program includes an eighteen inch visual refractor, a seven inch visual refractor, a three inch camera, photoelectric photometers, a copy of the Palomar Sky Atlas, and excellent library facilities. Should the needs of the thesis project so dictate, the department may arrange to obtain special materials from other observatories.

Honors: By the end of his sophomore year, the student should have completed Astronomy 22, Physics 22, and Mathematics 3. During his

junior year, the course elections should include Astronomy 41, Physics 51 and 52, and Mathematics 31 and 32. In his senior year the electives should include Physics 75, Astronomy 42, and Astronomy 79–80. In addition, since graduate schools require a reading knowledge of French and German, the student should plan to elect the 25–26 reading course in one of these languages. Departures from this program may be allowed in special cases.

Major: This program requires less extensive training in physics and mathematics and somewhat broader training in astronomy. The major includes the following courses: Astronomy 22, 41, 43, 79–80, Physics 22, 51, and Mathematics 3. The candidate will be expected to complete two projects for the Astronomy 79–80 course. These projects may be either term papers on subjects of interest to the student, or design or use of astronomical equipment. The 79–80 course will receive eight hours total credit for this program.

22S. Descriptive Astronomy. Professor Linnell, Mr. Koch. *4 credit hrs.*

Celestial coordinate systems, time, physical and dynamical properties of the solar system, properties and distances of stars and galaxies, recent cosmological theories.

Four hours of classroom work per week.

Laboratory; Observation with 18 inch refractor.

Elective for Sophomores. First semester.

22. Descriptive Astronomy. Professor Linnell, Mr. Koch. *4 credit hrs.*

Same course as 22S. *Elective for Sophomores. Second semester.*

41. Practical Astronomy. Professor Linnell. *4 credit hrs.*

Precise observational determination of position and time. Instrumental errors. Stellar parallax and proper motion. Occultations and eclipses. Four hours of classroom work per week. Occasional laboratories. Requisite: Astronomy 22. *Elective for Juniors. First semester.*

42. Astrophysics. Professor Linnell. *3 credit hrs.*

Application of the laws of physics to stars and interstellar space. Selected topics from the following: Stellar atmospheres and interiors. Stellar spectra. Gaseous nebulae. Three hours of classroom work per week. Requisite: Physics 22. *Elective for Juniors. Second semester.*

43. Reading Course. The Department. *4 credit hrs.*

This course is for students who do not plan graduate work in astronomy and who desire to study some area of astronomy. The course content may be adjusted to the needs of the individual student. Conference hours arranged individually. Requisite: Astronomy 22. *Elective for Juniors. First semester.*

43S. Reading Course. The Department. *4 credit hrs.*

Same course as 43. *Elective for Juniors. Second semester.*

79–80. Conference Courses. The Department. *6 credit hrs.*

Required of majors and honors students. *Elective for seniors. First and second semesters.*

Biology

Professors Kidder, Plough (emeritus), Schotté, and Wood; Associate Professor Yost; Assistant Professor Hexter; Messrs. Brower and Leadbetter.

Note: A major in biology will consist of at least 24 semester hours in biology together with any 8 semester hours in chemistry. Under certain conditions these specific requirements may be modified with the approval of the department. Any one of the sophomore science courses (Science 22, 23 or 23S) counts as 4 semester hours of biology toward a major.

A chemistry-biology major requires 16 semester hours in each of the departments and must include Chemistry 43–44. Science 21 and Science 22 may be counted as 4 semester hours in chemistry and biology respectively, and Science 23 or 23S counts as 4 semester hours in biology.

A psychology-biology major requires at least 16 semester hours in each of the departments. Science 22, 23 or 23S counts as 4 semester hours in biology toward this major.

Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

Candidates for the degree with honors in biology must have completed by the beginning of the senior year a minimum of 16 semester hours in biology; sophomore courses may be counted. Honors candidates must elect Biology 79, 80 and complete by the end of senior year a minimum of 30 semester hours in biology.

The work for honors in biology consists of two main activities: (a) participation in a general and in a specialized seminar course in which the candidate reports on papers from current scientific periodicals; (b) an original investigation under the direction of some member of the staff.

In spring of his senior year the candidate takes a comprehensive examination covering the whole field of biology. He also writes a thesis presenting the results of his reasearch to the whole Department.

Recommendations for the various grades of honors will be made on the basis of the reports, the comprehensive examination, and the value of the original investigation.

22. Same Course as Science 22. *4 credit hrs.*

23, 23S. Same Course as Science 23, 23S. *4 credit hrs.*

May be elected as a 3 hour course without laboratory by juniors and seniors with the approval of the department.

25. Ecology. Mr. Brower. *4 credit hrs.*

A study of the interrelations of living organisms and their environment. The natural regulation of animal numbers, problems of populations, natural selection, and the origin and distribution of species will be discussed. Three hours classroom and four hours laboratory or field work per week. *Elective for Sophomores. First semester.*

26. General Zoology. Mr. Brower. *4 credit hrs.*

The classification, morphology and comparative biology of representatives of the animal kingdom. Problems of respiration, reproduction, feeding, protection and sensory mechanisms as well as principles of behavior will be studied. Three hours classroom and four hours laboratory or field-work per week. *Elective for Sophomores. Second semester.*

28. General Botany. Professor Yost. *4 credit hrs.*

The structure, physiology and reproduction of plants. Botanical history, ecological adaption. Three hours classroom and four hours laboratory work or field work per week. *Elective for Sophomores. Second semester.*

41. Comparative Anatomy. Professor Wood. *4 credit hrs.*

A study of the anatomy of vertebrates and a review of vertebrate evolution. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

42S. Embryology. Professor Schotté. *4 credit hrs.*

A description of developmental processes in the vertebrates, with an introduction to the physiology of development. Four hours classroom and two hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

43S. Genetics. Professor Hexter. *4 credit hrs.*

The general principles and techniques of heredity, and their bearings on reproduction and the determination of sex. Breeding experiments in the laboratory. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. Second semester.*

45S. General Histology. Professor Schotté *4 credit hrs.*

A study of cells and of cellular differentiation with special emphasis upon the embryonic aspects of the main cell types and their progressive modifications into specialized tissues as function develops during ontogeny. The laboratory exercises deal, in addition to elementary cytology and organology, with the fundamental methods of histological

techniques. Three hours classroom and one laboratory session a week. Requisite. One semester of biology. *Elective for Juniors. Second semester in alternate years.*

47S. Experimental Morphology. Professor Schotté. *4 credit hrs.*

An experimental analysis of the problems of differentiation of form and structure, including the physiology of embryonic development and the role of hormones in growth, in morphogenesis and in regeneration. Three hours classroom and four hours laboratory per week. Requisite: One semester in Biology. *Elective for Juniors. Second semester.* (*Omitted 1959-60*).

51. Biochemistry. Professor Kidder. *4 credit hrs.*

A study of the fundamental chemical processes of living matter. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology and organic chemistry (which may be taken concurrently). *Elective for Juniors. First semester.*

53. Cellular Physiology. Professor Yost. *4 credit hrs.*

A study of cellular function in relation to structure, with special emphasis on membranes and enzymes. Three hours classroom and four hours laboratory work per week. *Elective for Juniors. First semester.*

54. Bacteriology. Mr. Leadbetter. *4 credit hrs.*

A study of the bacteria, yeasts and molds, their physiological activities and genetic relationships. Three hours classroom and four hours laboratory work per week. Requisite: Two semesters in biology and one course in chemistry. *Elective for Juniors. Second semester.*

56S. Vertebrate Paleontology. Professor Wood. *4 credit hrs.*

The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Geology 56.) Requisite: One semester in Biology or Geology 22. *Elective for Juniors. First semester.*

71. Biology of Viruses. Mr. Leadbetter. *4 credit hrs.*

A seminar review of some recent studies of viruses with special reference to the mode of virus multiplication. Laboratory studies of bacterial viruses or bacteriophage. Requisite: Two semester courses in biology. *Elective for Seniors with the consent of the department. First semester.*

79, 80. Seminar in Biology. The Staff.

4 credit hrs. first semester, 6 credit hrs. second semester.

The classwork consists of oral reports on problems of current biological interest. In addition, each student will carry on an individual investigation under some member of the staff. The course is designed for honors

candidates, but is open to other advanced students with the consent of the Department. Requisite: Four semester courses in biology. *Elective for Seniors. First and second semesters.*

Chemistry

Professors Beebe * and Whitney;
Assistant Professors Kropf and Scott;
Messrs. Silver and Richards

Candidates for the degree with honors in chemistry will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. At this seminar, discussions of topics of current interest will be conducted by staff members and by students.

In the senior year, candidates will normally enroll in Chemistry 71 or 73, and in Chemistry 80. Individual laboratory problems will be selected by the student in conference with some member of the Department. These may be advanced types of inorganic or organic syntheses, physico-chemical experiments or analyses, or problems for original investigation. Each candidate will write a thesis based upon his laboratory work. He will take a comprehensive examination during the spring term of his senior year. Recommendations for the various levels of honors will be made by the department on the basis of the thesis work and the comprehensive examination.

The program for the bachelor's degree with a major in chemistry, as approved by the American Chemical Society, includes Chemistry 41, 42, 43, 44, 51, 71 or 73, 80, and their prerequisites, a reading knowledge of German, one or two semesters of physics beyond the Science 1–2 course, Mathematics 3 and preferably Mathematics 23 or 31–32.

Notes:

A chemistry-biology major requires sixteen semester hours in each of the two departments, and must include Chemistry 43–44. Science 21 and Science 22 may be counted as semester courses in chemistry and biology respectively.

21. Same Course as Science 21. *4 credit hrs.*

Professors Kropp, Scott and Messrs. Silver and Richards.

24. Inorganic and Analytical Chemistry. *4 credit hrs.*

Professors Whitney and Scott.

A study of the chemistry of inorganic substances with special emphasis on ionic equilibria as met in qualitative analysis. Three hours classroom and four hours laboratory work per week. Requisite: Science 21. *Elective for Sophomores. Second semester.*

* *Absent on leave 1959–60.*

25. General and Analytical Chemistry. Professor Scott. *4 credit hrs.*

A study of chemical substances, their structure, their properties and their reactions. In the laboratory part of this course, emphasis will be placed on the application of the principles of equilibrium to the analysis of anions and cations. Students who receive credit for Chemistry 25 may not receive credit for either Science 21 or Chemistry 24. Three hours classroom and four hours laboratory work per week. *Elective, with consent of instructor, for Sophomores who are especially well qualified. First semester.*

26. Quantitative Analysis. Professor Scott. *4 credit hrs.*

The quantitative analysis of inorganic substances with emphasis on volumetric methods. Principles of elementary physical chemistry as applied to the isolation and determination of inorganic ions will be considered. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24 or 25. *Elective for Sophomores. Second semester.*

41. Physical Chemistry. Professor Kropf. *4 credit hrs.*

A study of the fundamentals of theoretical chemistry. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24 or 25, and Mathematics 3. *Elective for Juniors with the consent of the instructor. First semester.*

42. Physical Chemistry. Professor Kropf. *4 credit hrs.*

A continuation of Chemistry 41. Requisite: Chemistry 41. *Elective for Juniors. Second semester.*

43. Organic Chemistry. *4 credit hrs.*
Professor Whitney and Mr. Silver.

General theory of organic chemistry, preparation of typical organic compounds, and introduction to organic qualitative analysis. The chemistry of the most important functional groups only is studied in this course. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24. *Elective for Juniors. First semester.*

44. Organic Chemistry. *4 credit hrs.*
Professor Whitney and Mr. Silver.

A continuation of Chemistry 43. Requisite: Chemistry 43. *Elective for Juniors. Second semester.*

51. Advanced Inorganic Chemistry. Professor Scott. *4 credit hrs.*

The descriptive chemistry of selected elements, the structures of molecules and the relationships between the observed properties and the electron configurations of the atoms involved will be discussed. Methods of preparing and of determining the physical and chemical properties of

inorganic substances will be illustrated in the laboratory. Three hours of classroom and four hours of laboratory work per week.

Requisite: Chemistry 26. *Elective for Juniors. First semester.*

71S. Advanced Physical Chemistry. Mr. Richards. *3 credit hrs.*

A discussion of selected topics in physical chemistry from the fields of thermodynamics, quantum mechanics, and the nature of the chemical bond. Three class hours per week. Requisite: Chemistry 42. *Elective for Seniors. Second semester.*

73. Qualitative Organic Chemistry. Mr. Silver. *4 credit hrs.*

A continuation of the study of organic chemistry, with emphasis on the laboratory identification and characterization of organic compounds. Two hours classroom and six hours laboratory work per week. Requisite: Chemistry 44. *Elective for Seniors, with the consent of the Instructor. First semester.*

79. Honors Course. The Department. *2–6 credit hrs.*

Elective for honors candidates, and for others with the consent of the Department.

80. Honors Course. The Department. *6 credit hrs.*

Elective for honors candidates, and for others with the consent of the Department.

Classics

Professor Moore;‡
Associate Professor Kern;
Assistant Professor Gould; Messrs. Bisson and Marshall.

Note: All courses offered by the Department which are numbered 4 or higher may be used to satisfy the sophomore humanities requirement.

All courses offered by the Department may be counted toward a major except those numbered 1 and 2. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that not less than two may be taken in either language.

Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 79 and 80 in either Greek or Latin. He must submit a long essay (6000–7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e.,

‡ *Absent on leave second semester.*

not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. Early in May he will be given a written examination covering: a) his honors work; b) his reading in the Classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice between various optional questions. The award of honors will be determined by the quality of the candidate's work in his courses, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

23. Classical Civilization. Professor Moore. *3 credit hrs.*

(Same course as History 23.) A study of the civilization of Greece from Homer to Alexander and its contribution to the civilization of the West. Readings from Greek literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

24. Classical Civilization. Mr. Marshall. *3 credit hrs.*

(Same course as History 24.) A study of Roman civilization and its contribution to the civilization of the West. Readings from Latin literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

53. Plato and Aristotle. Professor Gould. *4 credit hrs.*

(Same course as Philosophy 53.) Several major works by each of these philosophers will be read in their entirety and discussed in class. The chief aim of the course will be to achieve a comprehension of the major philosophical positions of these writers, though some attention will also be paid to the historical development, the antecedents, and the subsequent influence of their ideas. All readings will be in English. Three class hours per week. *Elective for Juniors. Limited to twenty-five students. First semester.*

Greek

1. Introduction to the Greek Language. *4 credit hrs.*
Mr. Marshall.

Five class meetings per week. *Elective for Freshmen. First semester.*

1S. Introduction to the Greek Language. *4 credit hrs.*

Elective for Freshmen. Second semester. This course may be taken only with the consent of the Department. Students interested should consult a representative of the Department. (*Omitted 1959–60.*)

2. Introduction to Greek Literature. *4 credit hrs.*
Professor Kern.

Requisite: Greek 1 or its equivalent. Five class meetings per week. *Elective for Freshmen. Second semester.*

3. The Iliad. Professor Moore. *4 credit hrs.*

Requisite: Greek 1 and 2 or their equivalent. Five class meetings per week. *Elective for Freshmen. First semester.*

4. The Odyssey; The Lyric Poets. *4 credit hrs.*

Requisite: Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.* (*Omitted 1959–60.*)

5. Aeschylus' Prometheus. The Lyric Poets. *4 credit hrs.*
Mr. Marshall.

Requisite: Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. First semester.*

6. Greek Tragedy. Professor Gould. *4 credit hrs.*

Requisite: Greek 3 or its equivalent. Three class meetings per week *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

21. Readings in Greek Literature of the Fifth Century. *4 credit hrs.*

Requisite: Greek 5 or 6. *Elective for Sophomores; quasi seminar course, limited to twenty-five students. First semester.* (*Omitted 1959–60.*)

22. Readings in Greek Literature of the Fifth Century. *4 credit hrs.*

Requisite: Greek 5 or 6. Three class meetings per week. *Elective for Sophomores; quasi seminar course, limited to twenty-five students. Second semester.* (*Omitted 1959–60.*)

41, 42. Advanced Readings in Greek Literature. *4 credit hrs.*

The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Plato's Republic and Aristotle's Ethics; Pindar, Bacchylides, and Theocritus; Demosthenes and Thucydides; the Greek novelists. Requisite:

Greek 6. *Seminar course; elective for Juniors. First and second semester.* (*Greek 41 will be omitted in 1959-60; Greek 42 will be offered by Professor Gould, and will be devoted to Plato's Republic.*)

79, 80. Senior Honors Course. *6 credit hrs.*

Latin

1. Introductory Course. Professor Kern. *4 credit hrs.*

A rapid introduction to the Latin language, leading directly into Latin 4. Five class meetings per week. *Elective for Freshmen. First semester. This course may be taken only with the consent of the Department.*

1S. Introductory Course. *4 credit hrs.*

A rapid introduction to the Latin language. *Elective for Freshmen. Second semester. This course may be taken only with the consent of the Department. Students interested should consult a representative of the Department.*

3. Intermediate Course. Professor Kern. *4 credit hrs.*

Review of Latin grammar; selections from *Viri Romae* and Cicero's Orations. Requisite: Latin 1–2, or two or three entrance units in Latin. Five class meetings per week. *Elective for Freshmen. First semester.*

4. Mediaeval Latin. Mr. Bisson. *4 credit hrs.*

Readings in the literature of the Latin Middle Ages. Requisite: Latin 3, or three entrance units in Latin. Three class meetings per week. Quasi seminar course. *Elective for Freshmen. Limited to twenty-five students. Second semester.*

5. Cicero's de Senectute; and Selections from Catullus. Mr. Marshall. *4 credit hrs.*

Attention will be given to Cicero and Catullus as literary artists, and as interpreters of the society of the late Republic. Requisite: Latin 4, or four entrance units in Latin. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. First semester.*

6. Horace's Odes, and Selections from Pliny's Letters. Professor Kern. *4 credit hrs.*

Requisite: Latin 4 or 5, or four entrance units in Latin. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

21. Lucretius. *4 credit hrs.*

A large part of the *De rerum natura* will be read. Consideration will be given to the philosophical tradition and to the development of Latin poetic style. Requisite: Latin 5 or 6. Three class meetings per week. *Elective for Sophomores; quasi seminar course, limited to twenty-five students. First semester.* (*Omitted 1959–60.*)

22. Tacitus. Professor Kern. *3 credit hrs.*

Requisite: Latin 5, 6, or 21. Three class meetings per week. *Elective for Sophomores. Second semester.*

27. Latin Poetry: Lyric and Pastoral. *2 credit hrs.*
Professor Gould.
(Same course as English 27.)

Intended for students of literature who wish to acquire some knowledge of the tradition of Latin poetry. Poems of Catullus, Horace, and Virgil will be read and interpreted from a literary point of view, and attention will be paid to similar poems in English. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. *Elective for Sophomores. First semester.*

28. Virgil's Aeneid. Mr. Marshall. *4 credit hrs.*

At least three books will be read in Latin with close attention to the text, and the whole poem will be studied in translation. The emphasis of the course will be on Virgil's poem as a work of literature and as an expression of classical civilization. Requisite: Latin 5 or 27 or the consent of the instructor. Three regular class meetings per week; a fourth meeting for students who may need special help with the language. Quasi seminar course. *Elective for Sophomores. Limited to twenty-five students. Second semester.*

41, 42. Advanced Readings in Latin Literature. *4 credit hrs.*
Professors Humphries and Kern.

The authors read in these courses vary from year to year, each course giving a survey of one field of Latin literature; e.g., Roman Satire, Roman Philosophy, Roman Law, Late Latin, Roman Drama, etc. Requisite: Latin 21 or 22. Three class meetings per week. *Elective for Juniors; seminar course. First and second semesters.*

79, 80. Senior Honors Course. *6 credit hrs.*

Dramatic Arts

Associate Professors McGoun and Rogers;
Assistant Professor Boughton.

Note. Majors: Students majoring in Dramatic Arts must complete Dramatic Arts 23, 25, 26, 43, 44, 45, and either 71, 72 or 79, 80.

Courses in other departments recommended for major students: English 25, 26, 41; Fine Arts 23, 24, 25; French 18, 29, 43, 44; Music 46.

Honors: Honors projects may be developed in consultation with members of the department.

Dramatics 23 or 23S may be used in satisfaction of the sophomore humanities requirement and will be prerequisite for all other courses in the department.

23. Introduction to the Theater Arts *3 credit hrs.*
Professors Boughton, McGoun and Rogers.

A consideration of the materials of creative expression in drama. An investigation into the arts of the theater. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

23S. Introduction to the Theater Arts.
(Same as Dramatic Arts 23.) *Second semester.* *3 credit hrs.*

25S. Backgrounds of the Modern Drama. *3 credit hrs.*
Professor Boughton.

The origins and development of the drama from the Greeks to the 19th century. Requisite: Dramatic Arts 23 or 23S. Three hours of classroom work per week. *Elective for sophomores. Second semester in alternate years. (Omit'ed 1959–60.)*

26. Modern Drama. Professor Boughton. *3 credit hrs.*

19th century to the present Requisite: Dramatic Arts 23 or 23S. Three hours of classroom work per week. *Elective for Sophomores. Second semester in alternate years.*

43. Principles of Dramatic Production. *3 credit hrs.*
Professors Boughton, McGoun, and Rogers.

A study of directing, scene design and stage lighting considered as instruments of dramatic interpretation. Requisite: Dramatic Arts 23 or 23S. Both Dramatic Arts 43 and 44 must be completed to secure credit for Dramatic Arts 43. Three hours classroom work per week. *Elective for Juniors. First semester.*

44. Principles of Dramatic Production. *3 credit hrs.*
Professors Boughton, McGoun and Rogers.

Continuation of Dramatic Arts 43. Requisite: Dramatic Arts 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45. Theater History. Professor McGoun. *3 credit hrs.*

An analysis of theatrical production from the 5th century B.C. to modern times with emphasis on the relation of art forms to the theater. Requisite: Dramatic Arts 23 or 23S. *Elective for Juniors. First semester.*

71. Advanced Study. The Department. *4 credit hrs.*

Advanced work in one of the following fields of Dramatic Arts: Directing, Scene Design, Stage Lighting. Classroom meetings, reports and conferences. Limited to 15 students. *Elective for seniors with the consent of the department. First semester.*

72. Advanced Study. The Department. *4 credit hrs.*

Continuation of Dramatic Arts 71. *Elective for seniors with the consent of the department. Second semester.*

79. Conference Course. The Department. *4–8 credit hrs.*

Conference course for students majoring in Dramatic Arts: required of candidates for honors. Selected topics of study.

80. Conference Course The Department. *4–8 credit hrs.*

Continuation of Dramatic Arts 79.

Economics

Professors Nelson, Ross, Taylor, Thorp, and Warne;
Associate Professor Collery; Visiting Associate Professor Galbraith.
Assistant Professor Neuberger.

The following courses are required for a major in Economics:
Class of 1960:
Rite Students: Economics 21, 43, 73, 74 and either 41, 42, 63, or 64.
Honors Students: Economics 21, 43, 70, 79, 80 and either 41, 42, 63 or 64.

Classes subsequent to 1960:
Rite Students: Economics 21, 43, (66 or 70), 74, and either 41, 42, 63 or 64.
Honors Students: Economics 21, 43, (66 or 70), 79, 80 and either 41, 42, 63 or 64.

Each candidate for a degree in Economics will be examined by the Department on his work in Economics, and on the contents of his thesis, at the close of his senior year.

18. Introduction to the Analysis of Economic Problems. *1 credit hr.*
Professor Neuberger.

A course designed to acquaint the student with the major approaches of economists to questions of economic policy and analysis. Primarily offered for those who will be unable to enroll in Economics 21.
Elective for Seniors. Second semester.

21. An Introduction to Economics. *4 credit hrs.*
Professors Nelson and Neuberger.

A study of the central functions and problems of an economic system, of the principles and practices of our own economy, and of other forms of economic organizations and control. One lecture and three hours of discussion each week. Prerequisite or corequisite for all other courses in economics, except Economics 18. *Elective for Sophomores. First semester.*

21S. An Introduction to Economics. *4 credit hrs.*
Professors Collery and Neuberger.

Same description as above. *Elective for Freshmen. Second semester.*

24. The American Economy. *4 credit hrs.*
Professor Nelson.

An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion each week. Requisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

41. Comparative Economic Systems. *4 credit hrs.*
Professor Warne.

A study and comparison of the principal types of economic systems with special emphasis upon the position of labor in each. Requisite or corequisite: Economics 21. Four lectures each week. *Elective for Sophomores. First semester.*

42. Labor Economics. *4 credit hrs.*
Professor Warne.

A survey of the position of labor in our modern economy and of the development and status of labor legislation and social security measures. Three lectures and one hour of discussion each week. Requisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

43. Money, Banking, and National Income. *4 credit hrs.*
Professors Collery and Neuberger.

A study of money and finance and their relation to the functioning of an economic system. An introduction to the theory of income determination

with an indication of the role that money and finance play in the determination of employment, production and prices. Requisite: Economics 21 or the permission of the Department. *Elective for Sophomores. First semester.*

44. Public Finance and Business Cycles. *4 credit hrs.*
Professor Thorp.

An analysis of the nature and causes of business fluctuations and of their economic and social effects. A study of taxing, spending and debt policies of governmental units and their relationship to both business fluctuations and long-run behavior of the economic system. Requisite: Economics 43. *Elective for Sophomores. Second semester.*

45. Economic Statistics. *4 credit hrs.*
Professor Ross.

A study of the sources of quantitative economic data, with special emphasis on the application of statistical methods to economic problems. Three lectures and two hours of laboratory work each week. Requisite: Economics 21. *Elective for Juniors: limited to twenty-five students. First semester.*

46. Accounting. *4 credit hrs.*
Section A — Professor Ross.

A study of the principles of accounting as related to corporate finance, and elementary investment analysis. Extensive work with actual corporate material. Requisite: Economics 21. *Elective for Juniors. Second semester.*

Section B — Professor Collery.

A study of the principles of accounting as related to economic analysis. Attention will be given to the use of accounts by persons and corporations and the application of accounting techniques to the study of national wealth and income, balance of payments, input-output tables, and flow of funds. Requisite: Economics 21. *Elective for Juniors majoring in Economics. Second semester. (Omitted 1959–60.)*

51. Monopoly Regulation. *3 or 4 credit hrs.*
Professor Nelson.

The theory of monopoly pricing and of price discrimination; objectives and methods of public control of prices, profits, and service by public utilities and transportation agencies. Requisite: Economics 21. *Elective for Juniors. First semester.*

54. International Economic Policy *4 credit hrs.*
Professor Thorp.

An examination into the nature of commercial, monetary, investment, and other economic problems which appear when public or private interest extends across national boundary lines, and the principles and pressures which affect their solution, with particular reference to recent Amer-

ican experience. Three hours of classroom work per week. Requisite: Economics 21. *Elective for Juniors. Second Semester.*

55. Introduction to Mathematical Economics and Econometrics. Professor Collery. *3 credit hrs.*

An introduction to linear, nonlinear, continuous dynamic, and sequence models in economics; linear programming; the statistical Leontief system; simple and multivariate regression; multiple relations. Requisites: Economics 21 and one other economics course. *Elective for Juniors. First semester. (Omitted 1959–60.)*

63, 64. American Economic History. Professor Taylor. *4 credit hrs.*

A study of economic history of the U.S., with emphasis on historical aspects of economic development. The first semester will cover the period prior to the Civil War; the second will cover from the Civil War to date. Students may take *either* or *both* semesters. One two-hour seminar each week. Requisite: Economics 21. *Preference will be given students who have had History 53–54 or History 59–60. Elective for Juniors; limited to fifteen students.*

66. Problems of Economic Policy. *4 credit hrs.*
Professors Collery and Galbraith

A study of the process of formulating and executing economic policy in the United States, based upon an intensive examination of selected cases. Some emphasis will be placed upon the application of economic analysis in policy determination. *Required of all Juniors majoring in Economics (Classes subsequent to 1960) who are not candidates for honors. Elective for others with the consent of the Department. Second semester.*

70. Junior Honors. *4 credit hrs.*
Professors Collery and Galbraith.

An introduction to the theory of utility and demand; the nature of cost and the production function; diminishing returns and short-run cost curves; returns to scale and long-run cost curves; competitive pricing; the pricing of productive services; the theory of monopoly; the theory of oligopoly; cartels and unions; the distribution of income; general equilibrium. Requisite: Economics 21. *Required of Junior Honors students and elective for others with permission of the Department. Second semester.*

73. Senior Rite Seminar. *4 credit hrs.*
Professor Collery.

An introduction to the theory of demand and production; pure competition; monopoly and monopsony; monopolistic competition; oligopoly; income distribution. Requisite: Economics 21. *Required of all seniors majoring in Economics in the Class of 1960 who are not candidates for honors. Elective for others with the permission of the Department. First semester.*

74. Senior Rite Seminar. The Department. *6 credit hrs.*

Preparation of a thesis on a topic approved by the department. *Required of all Seniors majoring in Economics who are not candidates for Honors. Second semester.*

79. Economics Honors. Professor Neuberger. *4 credit hrs.*

A study of the development of economic thought as exemplified in the writings of a few selected economists, e.g., Smith, Ricardo, Marx, and Keynes, with emphasis placed on the analytical content. In addition to this survey several special fields of economics will be treated, e.g., the operation of the market mechanism vs. planning, the role of the rate of interest in various systems, and problems in the field of welfare economics. *Required of all seniors majoring in Economics who are candidates for Honors. Elective for others with permission of the department. First semester.*

80. Economics Honors. The Department. *8 credit hrs.*

Preparation of a thesis on a topic approved by the department. *Second semester. Required of all seniors majoring in Economics who are candidates for Honors.*

Education

Professor Kennedy; Associate Professor Grose and Assistant Professor Davenport.

24. Developmental Psychology. Professor Davenport. *3 credit hrs.*

(Same course as Psychology 24.) Requisite: Psychology 21. *Elective for Juniors. Second semester.*

41S. Philosophy of Education. Professor Kennedy. *3 credit hrs.*

(Same course as Philosophy 41S.) *Elective for Juniors. Second semester.*

42S. Educational Psychology. Professor Grose. *3 credit hrs.*

(Same course as Psychology 42S.) Requisite: Psychology 21. *Elective for Juniors with consent of the Instructor; limited to fifteen students. First semester.*

44. Psychological Tests and Measurements. *3 credit hrs.* Professor Grose.

(Same course as Psychology 44.) Requisite: Psychology 21. *Elective for Juniors. Second semester. (Omitted 1959–60).*

English

Professors Baird, Barber, Craig, Humphries, Marx, and McKeon; Associate Professor DeMott; Assistant Professors Heath, Revard; Messrs. Cameron, Guttmann, Kenseth, Pritchard, and Sale.

Note: All English majors are required to elect English 21–22, English 63, and six other semester courses, exclusive of English 1–2, offered or approved by the English Department.

Candidates for honors in English are required to complete the following courses: English 21–22, English 25–26, English 41 or 42, English 49, English 63, English 70, and English 79–80. Qualified candidates should in their senior year elect English 79–80.

English 21, 22, 25 or 26 may be taken in satisfaction of the sophomore humanities requirement.

1. Composition. *2 credit hrs.*

Professors Baird (Chairman), Craig, DeMott, Heath and Revard, and Messrs. Cameron, Guttmann, Pritchard and Sale.

Three hours of classroom work per week. *Required for Freshmen. First semester.*

2. Composition. *2 credit hrs.*

Professors Baird (Chairman), DeMott, Heath and Revard, and Messrs. Cameron, Guttmann, Pritchard, and Sale.

Two hours of classroom work per week. Requisite: English 1. *Required for Freshmen. Second semester.*

21. Introduction to Literature. *3 credit hrs.*

Professors Barber, DeMott (Chairman), Heath and Revard, and Messrs. Cameron, Guttmann, Pritchard, and Sale.

The aim of this course is to teach critical reading of literature. The material read in any one year is limited to a small number of works of prose and poetry. Required for a major in English. Alternate course in Humanities Sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

22. Introduction to Literature: Literary History *3 credit hrs.*

Professors Barber, Craig (Chairman), Heath and Revard, and Messrs. Cameron, Guttmann, Pritchard, and Sale.

Readings in selected major works to determine the main periods and continuities of English literature from Chaucer to the eighteenth century. Requisite, English 21. Required for a major in English. Alternate course in Humanities Sequence. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

23. Advanced Composition. Professor Humphries. *4 credit hrs.*

A course in disciplined writing, both prose and verse. Students are expected to work independently without specific assignments. Class discussions of manuscripts and frequent conferences with the instructor. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor; limited to fifteen students. First semester.*

24. Advanced Composition. Professor Humphries. *4 credit hrs.*

A continuation of English 23. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor; limited to fifteen students. Second semester.*

25. Shakespeare. Professor Baird. *3 credit hrs.*

A reading of all the plays. Emphasis on Shakespeare's development as dramatist and poet. Requisite: A grade of B in a previous English course. Alternate course in Humanities Sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

26. Shakespeare. Professor Baird. *3 credit hrs.*

A continuation of English 25. Requisite: English 25. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

27. Latin Poetry: Lyric and Pastoral. Professor Gould. *2 credit hrs.*
(Same course as Latin 27.) *Elective for Sophomores. First semester.*

41. The Renaissance: The Sixteenth Century *4 credit hrs.*
Professor Barber.

A study of Spenser and the major Elizabethan dramatists, and their relation to social and religious assumptions in popular and devotional literature. Three hours of classroom work per week, and one additional hour devoted to reading and discussion in small groups. *Elective for Juniors. First semester.*

42. The Renaissance: The Seventeenth Century. *4 credit hrs.*
Professor DeMott.

A study of the poetry of Milton and of the Metaphysical Poets in relation to some religious and philosophic assumptions of the seventeenth-century writer. Three meetings per week. *Elective for Juniors; limited to twenty-five students. Second semester.*

43. American Literature. Professor Marx, Messrs. Guttmann and Kenseth. *3 credit hrs.*

A survey of American Literature from the seventeenth century to 1900 with emphasis on major figures. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. American Literature. Professor Marx, Messrs. Guttmann and Kenseth. *3 credit hrs.*

A continuation of English 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45S. Readings in the English Novel. *3 credit hrs.*

Professor Craig.

A study of representative works of the eighteenth and nineteenth centuries. *Elective for Juniors. Second semester.*

49S. Chaucer. Professor Revard. *4 credit hrs.*

Chaucer's major works in the original. Four hours of classroom work per week. *Elective for Juniors, and for Sophomores who have a grade of "B" in English and who plan to become candidates for the degree with honors in English. Limited to twenty-five students. Second semester.*

50. Readings in Medieval Literature. *3 credit hrs.*

Professor Baird.

A consideration of the structure and meaning of narrative in certain. works of medieval literature. Most of the reading is in translation. *Elective for Juniors. Second semester. Seminar Course limited to ten students, admission with the consent of the instructor.*

51. Joyce. Professor Barber. *4 credit hrs.*

A study of the work of James Joyce in relation to the development of culture in the first part of the twentieth century. Three hours of classroom work per week, and one additional hour devoted to reading and discussion in small groups. *Elective for Juniors. First semester. (Omitted 1959–60).*

52. Readings in Twentieth Century Poetry. *4 credit hrs.*

Professor Barber.

A study of the poetry and criticism of W. B. Yeats and T. S. Eliot, followed by readings in other twentieth century poets. Three hours of classroom work per week, and one additional hour devoted to reading aloud in small discussion groups. *Elective for Juniors. Second semester.*

53. Literature and Society, 1660–1740. *3 credit hrs.*

Professor DeMott.

A study of the prose and poetry of the Restoration and earlier eighteenth century. Principal authors will be Dryden, Swift, and Pope; some attention will be paid to lesser figures. *Elective for Juniors. First semester.*

55. Readings in Autobiography. *3 credit hrs.*

An examination of various autobiographical works, from St. Augustine to Collingwood, both as signs of the age in which they were written and as literary art. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1959–60.)*

57. Wordsworth, Coleridge and Keats. *3 credit hrs.*
Professor Heath.

A study of the works of three Romantic poets, with particular attention to the relevance of biographical knowledge. *Elective for Juniors. First semester.*

62. Readings in Modern Fiction. Professor Baird. *3 credit hrs.*

A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1958–60).*

63. English Literary History. *3 credit hrs.*
Professor Craig.

Selected readings in works of the Romantic, Victorian, and Modern periods. *Elective for Juniors. First semester.*

65. Readings in American Literature. *4 credit hrs.*
Professor Marx.

A study of major American writers; the particular authors considered will vary from year to year. *First semester. Seminar Course limited to ten students, admission with the consent of the instructor.*

70. An Introduction to Literary Scholarship. *3 credit hrs.*
Messrs. Cameron, Guttmann, Pritchard and Sale (Chairman).

A study of the characteristics of literary knowledge as defined in the theory and practice of selected major critics and scholars. One two-hour meeting per week. *Required for Junior Honors candidates in English. Others require permission of the instructor. Second semester.*

73. Creative Writing. Professor Humphries. *2 credit hrs.*

Continuation of English 23–24. An advanced course in disciplined writing, both prose and verse. Students are to work independently without specific assignments. Fortnightly individual conferences with instructor. Limited to fifteen students. Requisite: English 23–24 and the consent of the instructor. *Elective for Juniors. First Semester.*

74. Creative Writing. Professor Humphries. *2 credit hrs.*

Continuation of English 73. Limited to fifteen students. Requisite: English 73 and consent of the instructor. *Elective for Juniors. Second Semester.*

79–80. Conference Course. The Department. *6 credit hrs.*
Elective for Seniors.

Fine Arts

Professor C. MORGAN *; Associate Professors NORTON, ROGERS, and TRAPP; Assistant Professor DARR

Note: A major in fine arts consists of six semester courses in the department, including Fine Arts 23-24 and Fine Arts 25, and two semester courses in allied fields. Honors in fine arts will include the foregoing with the addition of Fine Arts 79-80. Fine Arts 25 is normally the prerequisite for all advanced courses in the historical aspect of the subject except for Fine Arts 42; and Fine Arts 23–24 is normally the prerequisite for all advanced courses in the technical aspect of the field.

Fine Arts 25 or 25S may be used in satisfying the Sophomore humanities requirement.

23. ELEMENTARY TECHNIQUE AND DESIGN. *3 credit hrs.*
Professor ROGERS.

Design, composition and line and form drawing in pencil, charcoal, crayon, pen and ink, and chalk. One lecture and two two-hour laboratory periods per week. No previous training required. *Elective for Sophomores. First semester.*

24. ELEMENTARY TECHNIQUE AND DESIGN. *3 credit hrs.*
Professor ROGERS.

Elementary color theory and technique of water color painting. Requisite. Fine Arts 23 or the consent of the instructor. One lecture and two two-hour laboratory periods per week. *Elective for Sophomores. Second semester.*

25. SURVEY OF THE HISTORY OF ART. *3 credit hrs.*
Professor NORTON.

The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the successive civilizations that produced them. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

25S. INTRODUCTION TO THE HISTORY OF ART. *3 credit hrs.*
Professor TRAPP.

A topical examination of works of painting, sculpture and architecture selected from a variety of contexts intended to develop the student's ability to respond to the individual work of art in critical, as well as historical terms. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

42. FOUR GREEK SITES. Professor C. MORGAN. *3 credit hrs.*

A study of Athens, Corinth, Delphi and Olympia with especial reference to their development and their contribution to the art and culture of classical civilization. Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1959–60.*)

**Absent on leave, 1959–60.*

43. Renaissance Art. Professor Trapp *3 credit hrs.*

A progressive and comparative study of European art, north and south, during the 15th and 16th centuries with emphasis upon the major contributions of the period. Three hours of classroom work per week plus outside reading and written assignments. Requisite: Fine Arts 25 or 25s or permission of instructor. *Elective for Juniors. First semester.* (*Omitted 1959–1960*).

44. Studies in Modern Art. Professor Darr. *3 credit hrs.*

A study of the Meso-American and Hispanic background out of which emerged the renaissance in Mexican art of the 20th Century with special study given to four individuals of international importance: Rivera, Orozco, Siqueiros, and Tamayo. Particular attention will be paid to the historic roots of these artists' work and their connections with the developments in modern art in Europe and the United States. Three classroom meetings per week with outside readings and papers. Requisite. Fine Arts 25 or 25S or permission of the instructor. *Second semester.* (*To be omitted 1960–61*).

45S. American Art. Professor C. Morgan. *3 credit hrs.*

American architecture, sculpture and painting in America from the 17th century to the present day. Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1959–60.*)

46. Modern American Art. Professor Darr. *3 credit hrs.*

An exploration of the revolution in style, methods, and purposes of artists in the United States since the Chicago Fair of 1893. The course is intensive in method rather than extensive. Outside reading and papers on individual paintings, buildings, and artists. Three classroom meetings per week. Requisite: Fine Arts 25 or 25S or permission of instructor. *Second semester.* (*Omitted 1959–60*).

47. Advanced Technique and Design. Professor Darr. *3 credit hrs.*

Intensive studio work in oil aimed to increase the student's knowledge and control of materials and to focus his powers of communication. Occasional outside reading. Requisite: Fine Arts 23-24 or its equivalent. Two three-hour studio periods per week. *Elective for Juniors. First semester.*

48. Advanced Technique and Design. Professor Darr. *3 credit hrs.*

A continuation of Fine Arts 47. Requisite: Fine Arts 47. *Elective for Juniors. Second semester.*

49S. Michelangelo. Professor C. Morgan. *1 credit hr.*

A study of the artist, his works and his background. One lecture a week and reading. *Elective for Juniors. Second semester.* (*Omitted 1959–60*).

50S. Baroque and Rococo Art. Professor Trapp. *3 credit hrs.*

A study of major figures and movements in European art of the 17th and 18th centuries. Three hours of classroom work plus outside reading and written assignments. Requisite: Fine Arts 25 or 25s or permission of instructor. *First semester* (*alternating with Fine Arts 43*).

51. Survey of European Architecture. *3 credit hrs.*

A study of the development of architectural styles from the Early Christian period to modern times in Europe. Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1959–60.*)

52. Mediaeval Art. *3 credit hrs.*

A study of characteristic monuments from the Romanesque and Gothic periods in European history Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1959–60.*)

53. Advanced Drawing. Professor Darr. *3 credit hrs.*

A series of projects exploring various graphic media and printing processes. Students will work in letterpress, intaglio, and planographic printing processes. The wealth of materials in the Crossett Collection and the Rare Books Room of Converse will be utilized as much as possible to relate studio work to a study of the development of the book, illustration, and printing. One classroom meeting per week and two two-hour studio periods. *Elective for Juniors. First semester.*

55. Problems in Modern European Art: The Nineteenth Century. Professor Trapp. *2 credit hrs.*

A selective examination of certain major figures and movements in the development of European painting and sculpture of the period from Neo-Classicism to Post-Impressionism with an emphasis upon problems in criticism. Two class hours per week plus outside written assignments and reading. Requisite: Fine Arts 25 or 25s or permission of instructor. *Elective for Juniors. First semester.*

Students in the course, interested in applying related principles of design and technique, may elect an additional three hour studio, plus outside assignments for two additional credit hours, a total of four credits for the course.

56. Problems in Modern European Art: The Twentieth Century. Professor Trapp. *2 credit hrs.*

A selective examination of major figures and movements in the painting and sculpture of the period from Post-Impressionism to the present. A continuation of Fine Arts 55 which will normally be required as a requisite. Two class hours per week plus outside written assignments and reading. *Elective for Juniors. Second semester.*

Students in the course, interested in applying related principles of design and technique, may elect an additional three hour studio, plus outside assignments for two additional credit hours, a total of four credits for the course.

79, 80. Special Studies for Students Majoring in Fine Arts. *4 credit hrs.*

French

Professors French, Funnell, and Turgeon;
Assistant Professor Giordanetti; Mr. Shapiro;
Assistants: Mrs. Cannon, Messrs. Bereaud, Peyrelongue and Taillard.

Note: Major with Honors. Candidates for honors in French must elect courses numbered 7 or 8, 10 or 12, 43, 44, 49, 50, 79, 80.This course program may be adjusted in certain cases. An examination will be given in the second semester of the senior year in the history of French literature and in critical interpretation of texts. A thesis is required.

Major for students not candidates for the degree with honors. The major must include thirty credit hours, not counting those of courses 1 and 3. Six of these credits may be in approved courses outside the Department.

Combined major in two languages. For a student whose primary language is French, the major must include twenty credit hours in French, not counting courses 1, 3, 5; in the second language it must include ten credit hours of which at least three must deal with literature.

Requirements for Sophomores in Humanities. The following courses are approved as satisfying the Humanities requirement in sophomore year: any course numbered above 5, except French 10, 12, 21 and 22.

1. Elementary Course. *4 credit hrs.*
Professor Turgeon and Assistants.

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. Intermediate Course. *4 credit hrs.*
Professor Giordanetti, Mr. Shapiro and Assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, three hours per week in small sections for drill in aural comprehension of the language. *Elective for Freshmen. First semester.*

3S. Intermediate Course. *4 credit hrs.*
Professor Turgeon and Assistants.

Same description as above. *Elective for Freshmen. Second semester.*

5. Advanced Course. *4 credit hrs.*
Professor Giordanetti, Mr. Shapiro and Assistants.

The purpose of this course is to complete the student's training in fluent reading and in oral comprehension. Reading of significant fiction and plays from the modern period. Three hours per week in class and three hours per week in small sections for oral and aural drill. For those whose linguistic preparation is sufficient, there will be a special section in which more stress will be put on the reading as literature. Conducted as far as possible in French. *Elective for Freshmen. First semester.*

5S. Advanced Course. Mr. Shapiro and Assistants. *4 credit hrs.*
Same description as above. *Elective for Freshmen. Second semester.*

7. Introduction to French Literature Before the Revolution.
Professor Funnell. *4 credit hrs.*

Reading and discussion of selected texts. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

8. Introduction to French Literature Since the Revolution.
Professor Funnell. *4 credit hrs.*

Reading and discussion of selected texts. Requisite: satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. Second semester.*

10. Intermediate Composition and Conversation. *4 credit hrs.*
Mr. Shapiro and Assistants.

A review of French grammar with practice in set translation and free composition; oral reports on selected topics. Three hours per week of composition and two of oral practice. Requisite: Satisfaction of the language requirement in French. May not be elected after French 12. *Elective for Freshmen. Second Semester.*

12. Advanced Composition and Conversation. *4 credit hrs.*
Professor Turgeon.

Practice in free composition and in set translations of examples of a variety of styles; oral reports on selected topics. Three hours per week of composition and two of practice in conversation. Requisite: French 10 or permission of the instructor. *Elective for Sophomores, and for Freshmen with permission of the instructor. Second semester.*

17. Readings in the French Novel. Mr. Shapiro. *3 credit hrs.*

The reading will include at least one novel each by Balzac, Stendhal and Flaubert, with others, as time permits, chosen from the eighteenth and later nineteenth centuries. This course will be conducted partially in

French. Requisite: satisfaction of the language requirement. Three hours of classroom work per week. *Elective for Freshmen. First semester.*

18. French Drama of the 18th and 19th Centuries. *3 credit hrs.*
Mr. Shapiro.

The reading will include plays by Lesage, Marivaux and Beaumarchais, followed by a number of representative plays of the nineteenth century. This course will be conducted partially in French. Requisite: satisfaction of the language requirement. Three hours of classroom work per week. *Elective for Freshmen. Second semester.*

21, 22. Reading Course.
Professors Funnell and Giordanetti. *4 credit hrs.*

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of French. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

25S. French Lyric Poetry. Professor Funnell. *2 credit hrs.*

Medieval lyrics; poems by François Villon, Ronsard, du Bellay and Chénier; the chief Romantic and Parnassian poets of the nineteenth century. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Sophomores. Second semester in alternate years.*

27S. Readings in the Twentieth Century Novel. *3 credit hrs.*
Professor Giordanetti.

Readings from the novels of such authors as Colette, Romains, Mauriac, Malraux, Sartre and others, but excluding Gide and Proust. The course will be conducted partially in French. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. Second semester.*

29. French Drama since 1890. Professor Turgeon. *3 credit hrs.*

A survey of the principal trends in the modern theater with extensive readings from such authors as Claudel, Romains, Giraudoux, Anouilh, and Sartre. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. First semester in alternate years.*

41. Special Topics in French Literature. *1–3 credit hrs.*
The Department.

In this course a student will work individually with one member of the department on an approved subject. In general authors dealt with in other advanced courses in French will not be approved for work in this course. The amount of credit to be given for the work will be settled

in advance in consultation between the student and the department. Requisite: French 7, 8, 17 or 18, and consultation with, and the approval of, the department. *Elective for Juniors. First semester.*

42. Special Topics in French Literature. *1–3 credit hrs.*
The Department.

Description and requisites as for course 41. *Elective for Juniors. Second semester.*

43. French Classic Tragedy—Corneille and Racine. *4 credit hrs.*
Professor Turgeon.

A study will be made of the history of the French theater in the seventeenth century and of the development and theory of classic tragedy, with detailed analysis of the principal tragedies of Corneille and Racine. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. First semester in alternate years. (Omitted 1959–60.)*

44. French Classic Comedy—Molière. Professor Turgeon. *4 credit hrs.*

A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in LaFontaine and Boileau. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. Second semester in alternate years. (Omitted 1959–60.)*

48. Poetry since Baudelaire. Professor Funnell. *2 credit hrs.*

Baudelaire, the Symbolists, a few prominent poets of the twentieth century. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester in alternate years. (Omitted 1959–60.)*

49. French Literature of the Renaissance. Prof. French. *4 credit hrs.*

Readings in Rabelais, Montaigne and the poets of the 16th century. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. First semester in alternate years.*

50. French Literature of the Eighteenth Century. *4 credit hrs.*
Professor Giordanetti.

Voltaire, Diderot and Rousseau. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. Second semester in alternate years.*

51. André Gide. *1 credit hr.*

Requisite: French 7, 8, 17 or 18. One hour of classroom work per week.

Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester in alternate years. (*Omitted 1959–60.*)

53. Marcel Proust. Professor Giordanetti. *1 credit hr.*

Requisite: French 7, 8, 17 or 18. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester in alternate years.*

79. Conference Course for Seniors. *4–6 credit hrs.*

First semester.

80. Conference Course for Seniors. *4–6 credit hrs.*

Second semester.

Geology

Professor Bain; Assistant Professors Brophy and Reso.

Note: A major in geology consists of twelve semester hours in related subjects approved by the Department and twenty semester hours in geology which are divided into three blocks and arranged to make a sequence. Eight semester hours of Geology 21, and Geology 22, are fundamental. An additional 8 semester hours are essential to progress into an advanced field of geology. Four semester hours in an advanced field are required for a sequence. Science 21–22 are considered related subjects. Other related courses will be from that field of biology, chemistry, economics, mathematics or physics, advantageous to satisfactory progress in the advanced field selected for a major study.

The Department offers five sequences leading to a major in Geology. The sequences, and appropriate advanced subjects, are mineral studies (45), structural geology (79), geology of sedimentary rocks (44), geography of material resources (46) and paleontology (49 or 56).

A student may declare his intention to major at any time up to the end of his sixth semester. At that time he should have completed, or have arranged to complete, courses which will enable him to examine independently most problems in the field of his sequence.

Candidates for the degree with honors must have completed a sequence by the end of their seventh semester, except in the instance of the geography sequence, and undertake a program of individual study as part of Geology 80. Geology 46 may be taken concurrently with Geology 80 for students electing the geography sequence.

Attention of students intending to proceed to graduate school is drawn to the requirements by many institutions that an applicant take the graduate record examination and that the candidate for an advanced degree have a reading knowledge of French and German. A thorough

knowledge of Geology 21-22, 23-24 will afford coverage for 85% of the graduate record examination, and should be completed with a grade of B before applying to take this test.

21. Principles of Geology. Professor Brophy. *4 credit hrs.*

An introductory study of the historical development of the science, and the processes modifying the surface form and internal structure of the earth. Four hours classroom and two hours laboratory work per week. Laboratory will be held in the field when weather permits. *Elective for sophomores. First semester.*

21S. Principles of Geology. Professor Bain. *4 credit hrs.*

Same as 21. *Elective for Sophomores. Second semester.*

22. Historical Geology. Professor Reso. *4 credit hrs.*

The history of the development of the continents, the succession of plants and animals, and the evolution of life during the geologic past. Four hours classroom and two hours laboratory work per week. Requisite: Geology 21. *Elective for Sophomores. Second semester.*

23. Mineralogy. Professor Brophy. *4 credit hrs.*

A study of minerals and crystals including recognition, formation, occurrence, and use, and an introduction to the nature of crystalline matter. Three hours classroom and four hours laboratory work per week. *Elective for Sophomores. First semester.*

24. Petrology. Professor Brophy. *4 credit hrs.*

A systematic study of sedimentary, igneous, metamorphic and hydrothermal rocks, their origins and physicochemical relationships. Three hours classroom and four hours laboratory per week. Requisite: Geology 21 and Geology 23. *Elective for Sophomores. Second semester.*

26. Regional Geology and Geography of the Americas. *2 credit hrs.*
Professor Bain.

A study of the development of the principal features in scenery, the rocks, the climate and human activities in the Americas and the surrounding oceans. Offered in alternate years with Geology 46. Two hours of classroom and one hour of laboratory work per week. Requisite: Geology 21. *Elective for Sophomores. Second semester.*

28. Regional Geology and Geography of the Eastern Hemisphere.
Professor Bain. *2 credit hrs.*

A study of the development of the principal features in scenery, the rocks, the climate and human activities in the eastern hemisphere and occluded oceans. Offered in alternate years with Geology 46. Two hours

of classroom and one hour of laboratory work per week. Requisite: Geology 21. (Students may elect either Geology 26, or 28, or both.) *Elective for Sophomores. Second semester.*

30. Minerals in Modern Affairs. Professor Brophy. *2 credit hrs.*

Minerals, their properties, recognition, distribution, and role today. This course is designed for the non-science major. Two hours classroom and one laboratory hour per week. *Elective for Sophomores. Second semester.* (Not given for credit for students taking any other course in geology).

44. Sedimentology and Stratigraphy. Professor Reso. *4 credit hrs.*

A study of the features of modern sediments and the interpretation of sedimentary rocks and occurrence of resources in stratified rocks. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22. *Elective for Juniors. Second semester.*

45. Mineral Deposits. Professor Bain. *4 credit hrs.*

A study of the origin and distribution of bodies that contain minerals essential to modern industrial life. Three classroom hours and four laboratory hours per week. Requisite: Geology 24. *Elective for Juniors. First semester.*

46. World Resources. Professor Bain. *4 credit hrs.*

An investigation into supplies of materials from the earth available to man and the average requirement per person for each. Land acreage, water power, and mineral resources are studied in detail. Given in alternate years. Three hours classroom, one discussion period, and two hours laboratory work per week. Requisite: Geology 22, or 26, or 28. *Elective for Juniors. Second semester. (Omitted 1959–60.)*

49. Invertebrate Paleontology. Professor Reso. *4 credit hrs.*

The identification, relationships, occurrence, and use of fossil invertebrate animals and plants. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22. *Elective for Juniors. First semester.*

56S. Vertebrate Paleontology. Professor Wood. *4 credit hrs.*

The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Biology 56.) Requisite: Geology 22 or Biology 41. *Elective for Juniors. First semester.*

79, 80. Conference Course. The Staff. *4 to 6 credit hrs.*

Special investigation of one or more topics in mineral deposits, structural geology, sedimentology, paleontology, or world resources. Two or more hours conference per week and laboratory work as required. Requisite: The background courses in the Department. *Elective for Seniors.*

German

Professor SCENNA; Associate Professor PEPPARD‡; Mr. WHITE;
Assistants: Mrs. BREUSCH; Messrs. KOELL and WITTMANN.

Note: The following courses may be used to satisfy the Humanities requirement in sophomore year: German 7, 21, 22, 27, 28, 32, 33, 35.

Major for students not candidates for the degree with honors. The major must include thirty credit hours, not counting those of courses 1 and 3. Eight of these credits may be in approved courses outside the Department.

Honors: The aim of honors work in German is to offer the candidate the opportunity

a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work;
b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay;
c) to acquire a general view of the history and development of German, either as language or literature.

The goal of this work is not necessarily to produce graduate students, unless a candidate has definitely decided upon doing graduate work. The program of the senior year is organized on the basis of individual conferences, in which the candidate benefits from personal attention.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take, early in May, a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

Candidates for the degree with honors should elect German 21, 22, 27, 43, 44, 79, 80. They are urged to study one ancient or other modern foreign language.

1. ELEMENTARY COURSE. Professor SCENNA. *4 credit hrs.*

Grammar, pronunciation, oral practice. This course will meet three hours per week for explanation and demonstration, and four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE. Professor PEPPARD. *4 credit hrs.*

Review of grammar and pronunciation; oral practice. Reading and

‡ *Absent on leave second semester.*

analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. Intermediate Course. Mr. White. *4 credit hrs.*

Same description as above. Requisite: German 1, or its equivalent. *Elective for Freshmen. Second semester.*

5. Advanced Course. Mr. White. *4 credit hrs.*

Reading and analysis of selected texts. This course will meet three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on the acquisition of aural comprehension of the language and oral drill. Conducted as far as possible in German. Requisite: A satisfactory score in the CEEB Achievement Test, or German 3, or the equivalent. *Elective for Freshmen. First semester.*

Note: Freshmen will be assigned to German 1, German 3, or German 5 on the basis of the score in the CEEB Achievement Test and previous training.

5S. Advanced Course. Mr. White. *4 credit hrs.*

Same description as above. Requisite: German 3 or its equivalent. *Elective for Freshmen. Second semester.*

7. Introduction to German Literature. *4 credit hrs.*
Professor Scenna.

Reading and discussion of selected literary texts. This course will be conducted as far as possible in German. Requisite: satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

7S. Introduction to German Literature. *4 credit hrs.*
Professor Scenna.

Same description as above. Requisite: satisfaction of the language requirement, including satisfaction of the requirement at the end of the first semester. *Elective for Freshmen. Second semester.*

21. Faust. Professor Peppard. *2 credit hrs.*

Faust, Part I. Study of the Faust legend and assigned readings. Requisite: German 7 or the consent of the instructor. Two classroom meetings per week. *Elective for Sophomores. First semester.*

21S. Faust. Professor Scenna. *2 credit hrs.*

Same description as above. *Elective for Sophomores. Second semester.*

22S. Faust. Professor Peppard. *2 credit hrs.*

Faust, Part II. Study of the Faust legend and assigned readings. Requisite: German 21 or the consent of the instructor. Two classroom meetings per week. *Elective for Sophomores. First semester.*

22. Faust. Professor Scenna. *2 credit hrs.*

Same description as above. *Elective for Sophomores. Second semester.*

23. Advanced Composition and Conversation. *4 credit hrs.*
Mr. White.

Practice in free composition and set translation into German; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of German for further study or for teaching the language. Offered every other year. Requisite: the consent of the instructor. *Elective for Sophomores. First semester.*

25, 26. Reading Course. Mr. White. *4 credit hrs.*

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of German. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

27. The Age of Goethe. Professor Scenna. *4 credit hrs.*

A study of the development of German literature, particularly as reflected in the works of Goethe, excluding *Faust*. Selected readings in other authors of the period. Lectures, essays and assigned readings. Requisite: German 7 or the consent of the instructor. Three hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. First semester.* (*Omitted 1959–60.*)

28. Advanced Readings in German Literature. *3 credit hrs.*
Professor Peppard.

The content of this course will be determined each year by the instructor in charge. For 1957–58: German literature of the twentieth century, with some attention to the relation of literature to the national scene. Requisite: German 7, or consent of the instructor. Three hours of classroom work per week. *Elective for Sophomores. Second semester.* (*Omitted 1959–60.*)

32. Thomas Mann. Mr. White. *1 credit hr.*

An introduction to the shorter works of Thomas Mann and a study of his place in modern letters. Lectures and discussion. Requisite: German 7

or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. Second semester.*

33. Franz Kafka. Professor Peppard. *1 credit hr.*

A study of Kafka and his place in European literature. Lectures and discussion. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. First semester.* (*Omitted 1959–60.*)

35. German Poetry of the Twentieth Century. *1 credit hr.*
Mr. White.

Interpretation of German verse of the period, with emphasis on George, Rilke, Hofmannsthal, and the Expressionists. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. First semester.*

42. German Literature of the Nineteenth Century. *4 credit hrs.*
Professor Peppard.

Major developments in German prose, poetry and drama since the age of Goethe, with some attention to the contemporary literary scene. Readings, reports and discussions. Requisite: German 21, or German 27, or the consent of the instructor. One seminar meeting per week, together with individual conferences. *Elective for Juniors. Second semester.* (*Omitted 1959–60.*)

43. Studies in German Culture I. Professor Peppard. *4 credit hrs.*

Assignment of individual problems or readings in fields of special interest. Requisite: German 22 or the consent of the instructor. *Elective for Seniors. First semester.*

44. Studies in German Culture II. Professor Scenna. *4 credit hrs.*

Assignment of individual problems or readings in fields of special interest. Requisite: German 22, or German 43, or the consent of the instructor. *Elective for Seniors. Second semester.*

79–80. Honors Course for Seniors. The Department. *6 credit hrs.*

History

Professors Commager, Havighurst, Rozwenc, and Salmon; Associate Professors Douglas and Halsted; Assistant Professors Greene, Hawkins, and Sedelow; Messrs. Barnes, Bisson, Petropulos, and Woehrlin.

Note: A major in history will consist of eight semester courses in addition to the required sequence courses (History 1–2 and American Studies 21–22) of the freshman and sophomore years.

History 23–24 will satisfy the humanities requirement.

Honors Program: All candidates for honors must elect History 70, 79, and 80. These three courses form an integrated enterprise. The object is to offer the student an opportunity to arrive at some understanding of what "history" is and how the historian works: first, by the study of the writings of historians themselves and of a variety of problems which historians have faced, and second, by individual and original work through the application of historical principles. Thus, the nature and method of history will be studied in the statements of certain well-known historians as to what they conceive themselves to have been doing, and then through the examination of how various historians have used evidence, employed analytic concepts, and synthesized materials in selected areas of historical experience. Hence, students will have an opportunity to assess a variety of approaches to history as well as the usefulness to history of concepts taken from adjacent disciplines. By stressing the importance of selecting a thesis topic in the spring of the junior year, encouragement will be given to a fuller utilization of the summer following for research or for further preparatory work in a relevant language. In the senior year, the History honors student will give a very considerable part of his time to the preparation of a thesis.

Candidates for honors in History must take, in addition to the social science sequences of the freshman and sophomore years, eight semester courses in the Department. These courses will include the three conference courses in the honors program. Those who wish to concentrate in the field of European history should work out a balanced program of courses in several periods of European history. Those who wish to concentrate in American history should work out a program that will deepen their understanding of American historical experience and its European background. All honors candidates, however, should realize the value of comparative historical study, for example, as between Europe and America, or between Europe and Asia. Useful historical inquiry depends upon familiarity with the problems and methods of historical investigation; but the student of history cannot raise historical questions fruitfully unless he has become familiar with the continuities and the diversities in human thought and behavior in the past.

1. The Development of Western Civilization: A Survey of European History and an Introduction to the Social Studies.

4 credit hrs.

Professors Salmon, Douglas, Halsted, Havighurst, and Sedelow, Messrs. Barnes, Bisson, and Petropulos.

Lectures, 3 hours; section meetings, 1 hour. *Required for Freshmen. First semester.*

2. The Development of Western Civilization: A Survey of European History and an Introduction to the Social Studies. *4 credit hrs.*

Professors Salmon, Douglas, Halsted, Havighurst, and Sedelow; Messrs. Barnes, Bisson, and Petropulos.

Lectures, 3 hours; section meetings, 1 hour. Requisite: History 1. *Required for Freshmen. Second semester.*

21. Latin America. Professor Salmon. *3 credit hrs.*

The national history of the Latin American states from independence to the present. There will be a brief summary of the Indian and the Iberian backgrounds and the course will deal with economic and international problems along with political developments of the 19th and 20th centuries. *Elective for Sophomores. First semester.*

22. Latin America. Professor Salmon. *3 credit hrs.*
(*Omitted 1959–60*).

23. Classical Civilization. Professor Moore. *3 credit hrs.*
(Same course as Classics 23.) *Elective for Sophomores. First semester.*

24. Classical Civilization. Mr. Marshall. *3 credit hrs.*
(Same course as Classics 24.) *Elective for Sophomores. Second semester.*

25. Europe in the Early Middle Ages. *4 credit hrs.*
Mr. Bisson.

Empire and Church, invasion and feudalism, the beginnings of medieval knowledge and tradition, and related major topics will be examined in the sources, interpretations, and hypotheses concerning the period from 300 to about 1050. *Elective for Sophomores. First semester.*

26. Medieval Civilization in the Twelfth and Thirteenth Centuries. *4 credit hrs.*
Professor Havighurst.

The emergence of a characteristic society with emphasis on the role of the Church and of feudal monarchy, town life and economy, the crusades and the universities. Thought and expression will be considered in relation to the problems of tradition, changing religious ideals, and secularization. Lectures, discussions and individual projects. *Elective for Sophomores. Second semester.*

40. Southeast Europe and the Near East in Modern Times. *4 credit hrs.*
Mr. Petropulos.

The course will begin with the rise and decline of the Ottoman Empire, as necessary background for the emergence of successor nation-states in

Southeast Europe and the Near East. Special attention will be given to the impact of Western civilization on the traditional cultures of Orthodoxy and Islam. Differing approaches to contemporary problems of underdevelopment will be studied with special reference to Yugoslavia, Turkey, and the United Arab Republic. *Elective for Juniors. Second semester.*

41. Russia. Mr. Woehrlin. *3 credit hrs.*

General history of the Russian people, state, and culture from their origins to 1881. *Elective for Juniors. First semester.*

42. Russia. Mr. Woehrlin. *3 credit hrs.*

History of revolutionary and Communist Russia (since 1881). Special attention will be given to the ideological and international aspects of Communism. *Elective for Juniors. Second semester.*

43. Europe in the Nineteenth Century. Professor Halsted. *4 credit hrs.*

An examination of the character of European society in the early nineteenth century through the study of four or five topics selected to reveal the relationships of dominant intellectual currents to major political, social, and economic developments. *Elective for Juniors. First semester.*

44. Europe in the Nineteenth Century. Professor Halsted. *4 credit hrs.*

Ideas and social change in the latter part of the nineteenth century in Europe, examined through four or five illustrative topics. *Elective for Juniors. Second semester.*

45. The Far East: China and Japan. *3 credit hrs.*

Elective for Juniors. First semester. (*Omitted 1959–60.*)

46. The Far East: China and Japan. *3 credit hrs.*

A continuation of History 45. *Elective for Juniors. Second semester.* (*Omitted 1959–60.*)

47. Seventeenth Century Europe. Professor Sedelow. *4 credit hrs.*

The social organization, culture, and politics of Europe in the seventeenth century, with special emphasis on source materials in education, government, science, business, agriculture and religion. *Elective for Juniors. First semester.*

48. Age of the Enlightenment. Professor Sedelow. *4 credit hrs.*

Eighteenth century Europe prior to the French Revolution, with special emphasis on source materials in Enlightenment social thought

and reform, education, religion, aesthetics, history, and the professions. *Elective for Juniors. Second semester.*

49. Europe in the Twentieth Century *4 credit hrs.*

A study of the central historical currents of our age, with substantial introductory analysis of the background in the decades prior to 1914. The course will emphasize intellectual, economic, social, and political factors. It will consistently present Europe in its relevant world setting, with particular attention to developments in the United States and in the colonial empires. Three classroom hours a week, with conferences. *Elective for Juniors. First semester.* (*Omitted 1959–60.*)

50. The Second World War. Professor Salmon. *4 credit hrs.*

The diplomatic and military history of the period from the middle 1930's, studying the breakdown of Collective Security, the Second World War, and the post-war developments. Three classroom hours per week, with conferences. *Elective for Juniors. Second semester.*

51. English History: Tudors and Stuarts. *3 credit hrs.*
Professor Havighurst.

An examination of English society and institutions from 1485 to 1714: the English break with Rome and the Elizabethan Settlement in religion; the Elizabethan Age; development of Puritan thought; constitutional conflicts of the 17th century, with some attention to their social and economic implications. Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1959–60.*)

52. Britain Since 1815. Professor Havighurst. *4 credit hrs.*

A study of some of the fundamental changes in English society and institutions from 1815 to the present. Where possible contemporary materials will be the basis of study. Topics to be examined: "Victorian Compromise"; British policy in Europe; social thought and social change, 1870–1914; changing concept of Empire; Socialist Britain. Lectures, discussion and individual projects. *Elective for juniors. Second semester.*

53. Social and Intellectual History of the United States.
Professor Rozwenc. *3 credit hrs.*

An examination of American thought and behavior, 1750–1850. Emphasis is given to significant demographic data; basic political, economic, religious institutions; and to the ideas and values that composed the agrarian ethos of the century of historical experience under examination. *Elective for Juniors. First semester.* (*Omitted 1959–60.*)

54. Social and Intellectual History of the United States. Professor Rozwenc. *3 credit hrs.*

An examination of American thought and behavior, 1860–1950. Emphasis is given to significant demographic data; to basic political, economic, religious and educational institutions; to the role of science in American society; to the means of communication and the ideas and values that compose the dominant urban ethos of the period under consideration. *Elective for Juniors. Second semester.* (*Omitted, 1959–60.*)

55. The French Revolution. Professor Salmon. *3 credit hrs.*

A study of the Revolution in France and its impact on Western Europe and on western civilization, with brief consideration of the Ancien Regime and with emphasis on political, economic, and military factors. A reading knowledge of French would be desirable.

Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1959–60.*)

56. The Age of Napoleon. Professor Salmon. *3 credit hrs.*

A continuation of History 55 from 1799 through 1815.

Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omited 1959–60.*)

57. The South since the Civil War. Professor Hawkins. *4 credit hrs.*

An examination of the South as a culture, with stress on the forces that have affected its particularism. Reconstruction; Redemption and the New South; Populist Revolt; Disfranchisement and the Atlanta Compromise; topical investigations of the political, economic, social, and intellectual life of the South in the present century. The last fifth of the course will be devoted to the South since 1940, emphasizing New Reconstruction.

Three class-meetings per week. Limited to 25 students. *Elective for Juniors. First semester.*

59. Society and Politics in De Tocqueville's America. *4 credit hrs.* Professor Rozwenc.

An intensive examination of the influence of social and economic changes upon politics in America in the second quarter of the nineteenth century. Special attention will be given to political ideas not only of politicians but of journalists and literary figures as well. A few key problems will be analyzed by means of a comparative examination of England and France in the same period. *Elective for Juniors. Limited to twenty-five students. First semester.*

60. Society and Politics in the Era of the New Deal. Professor Rozwenc. *4 credit hrs.*

An intensive examination of the influence of social and economic changes upon politics in the second quarter of the twentieth century. Special attention will be given to selected writings including imaginative literature as well as conventional political thought. Wherever possible, European historical experience will be used for purposes of comparative analysis. *Elective for Juniors. Limited to twenty-five students. Second semester.*

61. Foundations of American Civilization. *4 credit hrs.* Professor Greene.

An analysis of the first five generations of Americans (from early settlers through the Revolutionary generation) with emphasis upon the origins of certain fundamental themes in American history: social classes, immigration, European-American relations, frontier vs. city, science vs. religion, and constitutional democracy. Four hours of classroom work per week. *Elective for Juniors. First semester.*

62. American Diplomatic History. Professor Greene. *3 credit hrs.*

The history of American foreign policy from the American Revolution to the present, with emphasis on the period since 1898. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

63. The Italian Renaissance. Professor Douglas. *4 credit hrs.*

Urban society in Italy (c. 1200–1500), forms of power, the social order, humanist thought, theory of art and the uses of antiquity. Concluding weeks deal with Burgundy and the Netherlands in the fifteenth century. *Elective for Juniors. First semester.*

64. The Sixteenth Century. Professor Douglas. *4 credit hrs.*

The Renaissance in northern Europe and the Reformation, with emphasis on the major forms of protest and complaint, both secular and religious, against the condition of society, the state and the church. *Elective for Juniors. Second semester.*

66. The Progressive Generation. Professor Greene. *4 credit hrs.*

A study of the responses to change made by Americans in the generation from 1890 to 1920. By concentrating upon a single generation the course will explore some of the interrelations among politics, literature, business, the professions, religion, and popular culture.

A one-hour lecture and a two-hour seminar weekly. *Restricted to twenty-five students. Elective for Juniors. Second semester.* (*Omitted 1959–60.*)

67. Foundations of English Law and the Constitution.
Professor Havighurst. *4 credit hrs.*

Origins of the English Constitution; growth of Common Law; evolution of Parliament; development of monarchy; constitutional conflicts. Lectures, seminar discussion and individual projects. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. First semester.*

70. Conference Course. Junior Honors. The Department. *4 credit hrs. Elective for Juniors. Second semester.*

71. The Origins and Development of American Nationalism.
Professor Commager. *3 credit hrs.*

The constitutional foundations, the political framework, the economic influences, the institutional growth, the social and cultural characteristics of American nationalism in the years from the Revolution to the Civil War Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1959–60.*)

73. Conference Course in American Intellectual History.
Professor Commager. *4 credit hrs.*

This course will consist of reading, discussion and reports on some of the seminal books of American intellectual history. Emerson's English Traits, Whitman's Democratic Vistas; Rolvaag's Giants in the Earth; Cash, the Mind of the South; Robinson, Collected Poems; selections from writings of Lester Ward, William James, Thorstein Veblen, Justice Holmes and others. Limited to 15 students in each section. Two sections. One two-hour seminar weekly. *Elective for Juniors. First semester.*

74. Conference Course in American Intellectual History.
Professor Commager. *4 credit hrs.*

Continuation of History 73. *Elective for Juniors. Second semester.*

75. Conference Course on the Revolution and the Constitution.
Professor Commager. *4 credit hrs.*

Reading, discussion and written reports on the history of the American Revolution and the formation of the Constitution, with special attention to the philosophy of the Revolution, the British background, the process

of state and nation making, the Constitutional Convention of 1787, the Federalist papers, and the debates in ratifying conventions. One two-hour seminar weekly. *Elective for Juniors. First semester. Limited to fifteen students. (Omitted 1959–60.)*

76. Conference Course on the Revolution and the Constitution. Professor Commager. *4 credit hrs.*

Continuation of History 75. *Elective for Juniors. Second semester. Limited to fifteen students. (Omitted 1959–60.)*

79. Conference Course. Senior Honors. *6 credit hrs.*

The Department.

This course consists of two enterprises: (a) a seminar in Historiography; (b) preparation of an Honors Thesis. *Elective for Seniors. First Semester.*

80. Conference Course. Senior Honors. *6 credit hrs.*

The Department.

Preparation of an Honors Thesis. Requisite: History 79. *Elective for Seniors. Second semester.*

Humanities

1. Humanities. *2 credit hrs.*

Professors Funnell (*chairman*), Humphries, Martin, Moore, Halsted, Kennick, Cannon, Gould, Nielsen and Pemberton; Messrs. Barnes, Dietel, and Petropulos.

A reading course: fairly rapid reading for understanding and enjoyment. The course is intended to serve as a contribution to the student's general education, and the books are chosen to illustrate certain important stages in the development of Western culture. The reading list varies somewhat from year to year, but in general this semester is given over largely to Greek literature and to the Bible. The course is conducted in small sections: class discussions, short papers, occasional lectures. Two hours per week. *Required for Freshmen. First semester.*

2. Humanities. *2 credit hrs.*

Professors Funnell (*chairman*), French, Humphries, Martin, Epstein, Kennick, Cannon, Nielsen, and Pemberton; Messrs. Bisson, Barnes, Dietel, and Petropulos.

A continuation of Humanities 1. The reading list for this semester includes in general works selected from the medieval, Renaissance and

modern periods. Three hours per week. Requisite: Humanities 1. *Required for Freshmen. Second semester.*

Italian

Professor FRENCH

1. ELEMENTARY COURSE. *4 credit hrs.*
Professor FRENCH.

Recognition and imitation of basic sentence patterns, vocabulary and verb forms. Extensive drill on pronunciation in class and laboratory; graded reading from beginning of course with aural-oral drill on same. Six hours classwork and practice per week. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. Professor FRENCH. *4 credit hrs.*

Continued oral-aural practice. Reading and analysis of original texts, such as Wilkins and Altrocchi, *Italian Short Stories;* Pirandello, *Atti unici* (3 plays); Fogazzaro, *Piccolo mondo antico.* Five hours per week. *Elective for Freshmen. Second semester.*

21. READINGS IN ITALIAN LITERATURE FROM BOCCACCIO TO THE PRESENT.
Professor FRENCH. *4 credit hrs.*

Reading of important works with special attention to the modern period. Requisite: Italian 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

22. DANTE. Professor FRENCH. *4 credit hrs.*

A reading of the *Inferno* and of parts of the *Purgatorio* and *Paradiso.* Special study of the social and political background of the work. Requisite: Italian 21. Special reports and papers. Given in alternate years. Three hours of classroom work per week. *Elective for Sophomores; limited to twenty-five students. Second semester.*

24. THE RENAISSANCE. Professor FRENCH. *4 credit hrs.*

Origins in Boccaccio's *Decamerone* and in Petrarch's *Canzoniere.* Reading of Cellini's *Vita,* Castiglione's *Cortegiano* and Machiavelli's *Principe* with a study of the social background of the fifteenth and sixteenth centuries in Italy. Special reports and papers. Requisite: Italian 21. Three hours of classroom work per week. *Elective for Sophomores; limited to twenty-five students. Second semester. (Omitted 1959–60.)*

Legal Studies

Professors HAVIGHURST, LATHAM, LOEWENSTEIN and ZIEGLER.

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. *4 credit hrs.*
Professor LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935–1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Hughes, Stone, Black, and Frankfurter. Four hours of classroom work per week. (Same course as Political Science 25.) *Elective for Sophomores. First semester.* (*Omitted 1959–60.*)

42. ADMINISTRATIVE LAW. Professor ZIEGLER. *4 credit hrs.*

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. (Same course as Political Science 42.) Prerequisite: Political Science 25 or Political Science 41. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. Second semester.* (*Omitted 1959–60.*)

44. INTERNATIONAL LAW. Professor ZIEGLER. *4 credit hrs.*

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. (Same course as Political Science 44.) Four hours of classroom work per week. *Elective for Juniors. Second semester.*

67. FOUNDATIONS OF ENGLISH LAW AND THE CONSTITUTION. *4 credit hrs.*
Professor HAVIGHURST.

Origins of the English Constitution; growth of Common Law; evolution of Parliament; development of Monarchy; constitutional conflicts. (Same course as History 67.) Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. First semester.*

73–74. Introduction to Jurisprudence. *4 credit hrs.*
Professor Loewenstein.

A critical examination of the origin, concept and ends of the law; the prominent legal concepts and schools of jurisprudence, and the prevailing forms of the legislative and judicial process, including a comparative analysis of the major systems of law. The course will stress the importance of law and justice as a part of human culture. Requisite: The consent of the instructor. (Same course as Political Science 73–74.) One three-hour seminar each week. *Elective for Seniors.* (*Omitted 1959–60.*)

Mathematics

Professors Breusch, Brown, and Sprague; Associate Professor Willcox; Assistant Professor Loomis.

Note: A major in mathematics must elect 3, 23, 31, 32 and either 42 or 48 his senior year. Beginning with the Class of 1961, 25 will also be required. All mathematics courses except 1–2 give major credit.

In addition to the general college requirements, a degree with honors is awarded on the basis of accomplishment in the courses in mathematics required for a major, in the conference course, and in any additional courses prescribed by the Department. A thesis may be required.

The content of the conference course varies from year to year. Topics that have been or may well be given are Complex Variable, Abstract Algebra, Algebraic Geometry, Differential Geometry and Topology.

1. Same course as Science 1. *4 credit hrs.*

2. Same course as Science 2. *4 credit hrs.*

3. Calculus. Professors Sprague and Loomis. *4 credit hrs.*

Continuous functions, differentiation and integration of trigonometric and logarithmic functions and their inverses, curvature, curvilinear motion, curve tracing, theorem of mean value, formal integration, infinite series, simple partial differentiation. Requisite: Science 1 or its equivalent. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

3S. Calculus. Professor Willcox. *4 credit hrs.*

Same description as above. *Elective for Freshmen. Second semester.*

23S. Differential Equations. Professor Breusch. *4 credit hrs.*

Treatment of ordinary differential equations with principal types of first and second order equations, linear equations with constant coefficients, simultaneous equations. Simple partial differential equations. Applications to geometry, physics and other branches of science. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

25. Abstract Algebra. Professor Willcox. *4 credit hrs.*

A development of the characteristic properties of the integers and the rational, real and complex number systems as instances of properties of rings, integral domains and fields, followed by a selection from the following topics: groups, polynomial rings, matrix rings. Four hours of classroom work per week. Elective for Sophomores. First Semester.

31. Advanced Calculus. Professor Brown. *4 credit hrs.*

Brief treatment of determinants and solid analytic geometry, partial differentiation, implicit function theory, elements of vector analysis with applications. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Juniors. First semester.*

32. Advanced Calculus. Professor Brown. *4 credit hrs.*

Multiple integrals, line and surface integrals, transformation of integrals, uniform convergence, Fourier series. Requisite: Mathematics 31. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

33. Matrices and Vector Spaces. *3 credit hrs.*

Vector spaces; matrices and linear transformations on a vector space; determinants and their role in linear algebra; diagonalization and canonical forms of matrices; some applications to other branches of science. Three hours of classroom work per week. *Elective for Sophomores. Second semester, alternate years.* (*Omitted 1959–60.*)

34. Probability and Statistics. Professor Loomis. *3 credit hrs.*

Elementary probability. Random variables with discrete and continuous distribution functions. Joint distribution functions. Distribution functions of frequent occurrence in statistics, such as Poisson, normal in one and two variables, Chi square and Student's t. Requisite: Mathematics 3. Three hours of classroom work per week. *Elective for Sophomores. Second semester, alternate years.*

42. Functions of a Complex Variable. *3 credit hrs.*

An introduction to analytic functions. Point sets, complex numbers, derivatives, conformal mapping, integrals. Cauchy's theorems, power series, singularities, Laurent series, analytic continuation, rational, entire, meromorphic and multiple-valued functions. Riemann surfaces. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years.* (*Omitted 1959–60.*)

43. Theory of Numbers. Professor Breusch. *3 credit hrs.*

An introduction to the theory of rational integers. Divisibility, prime numbers, the unique factorization theorem, congruences, quadratic resi-

dues, Fermat's theorem, Diophantine equations. Three hours of classroom work per week. *Elective for Juniors. First semester, alternate years.*

45. Point-set Topology. *3 credit hrs.*

A brief treatment of elementary set theory and the real number system will be given to motivate the definition of a topological space, after which topics will be selected from the following: topological spaces, metric spaces, compactness, connectedness, embedding theorems, metrization theorems, compactification, topological characterizations of arcs and curves. Requisite. Mathematics 25 or 32. Three hours of classroom work per week. *Elective for Juniors. First Semester, alternate years.* (*Omitted 1959–60.*)

48. Differential Geometry. Professor Sprague. *3 credit hrs.*

An introduction to the differential geometry of curves and surfaces; curvature, torsion, Frenet formulae; curvilinear coordinates, first and second fundamental form, surface curvature, lines of curvature, geodesics, fundamental equations. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years.*

79. Conference Course. The Department. *4 credit hrs.*

Elective for Seniors. First semester.

80. Conference Course. The Department. *6 credit hrs.*

Elective for Seniors. Second semester.

Music

Professors Mishkin and V. Morgan; Mr. Alexander

Note: There are two programs available for students majoring in music.

1. The music major which does not include applied music consists of Music 25, Music 23–24, Music 41–42, Music 53–54 and at least three other courses offered by the Department.

2. A music major which includes applied music consists of Music 25, Music 23–24, either Music 41–42 or Music 53–54, two years of Music 29–30 and one other semester course offered by the Department.

An individual program will be arranged for each candidate for the degree with honors in music at the beginning of junior year. Concentration may be in advanced theory, music history, or applied music. Part of this advanced work may be done with members of the Smith and Mt. Holyoke music departments. All honors candidates must elect Music 79–80 and,

late in the final semester of senior year, they will be required to take a comprehensive oral examination. Other examinations, essays or recitals will be arranged according to the individual's program.

Music 25 and any other course except 23–24, 29–30, 47–48, 53–54 may be used in satisfaction of the Sophomore humanities requirement.

23. Elementary Theory. Professor Mishkin. *4 credit hrs.*

A study of the rhythmic, melodic, and harmonic organization of musical tones with emphasis on the harmonic idiom of the eighteenth century. Triads and their inversions, non-harmonic tones, secondary dominants, writing in the style of the Bach chorales, ear training. Limited to fifteen students. Requisite: ability to play all written work and consent of the department. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

24. Elementary Theory. *4 credit hrs.*

A continuation of Music 23. Seventh chords, elementary phrase construction, harmonic analysis. Limited to fifteen students. Requisite: Music 23. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

25. An Introduction to Musical Literature. *3 credit hrs.*
Mr. Alexander.

Western music from 1000 A.D. to the present time with emphasis on the eighteenth and nineteenth centuries. No previous study of music is required. *Elective for Sophomores. First semester.*

25S. An Introduction to Musical Literature. *3 credit hrs.*
Professor V. Morgan.

Same course as Music 25. *Elective for Sophomores. Second semester.*

29. Applied Music. *3 credit hrs.*

Courses are offered in the following branches of applied music: piano, organ, voice, violin, viola, violoncello. These courses may be elected by a limited number of students who satisfy the department, at an audition, that they are prepared to undertake the study of solo music literature of artistic worth. Students will normally be expected to begin their college work in applied music as sophomores and to continue this study for two years. During the first two years of study three credit hours will be granted for each semester. Under exceptional circumstances a student may, with permission of the Dean, elect a third year for which there will be two credit hours per semester. No credit is granted for a single semester of applied music.

Students of keyboard and string instruments have one hour of private instruction per week and are required (a) to practice a minimum of nine hours per week, and (b) to elect in sophomore or junior year one other course offered by the department. In addition keyboard students are required to participate in a weekly session of ensemble playing, and string students to attend the weekly rehearsal of the Smith College Orchestra.

Students of voice have one hour of private instruction per week and are required (a) to practice a minimum of eight hours per week, (b) to sing with the glee club and (c) to elect in sophomore or junior year one other course offered by the department.

Private instruction will be given by members of the Departments of Music of Smith College and Mt. Holyoke College. A fee of $75 per semester will be charged to cover this special type of instruction. *Elective for Sophomores and qualified Freshmen with the consent of the Department and of the instructor. First semester.*

30. Applied Music. *3 credit hrs.*

A continuation of Music 29. *Elective for Sophomores and qualified Freshmen with the consent of the Department and of the instructor. Second semester.*

41. Symphonic Music. Professor V. Morgan. *3 credit hrs.*

The development of orchestral literature from Haydn through Brahms; the symphony, concerto, and symphonic poem. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester.*

42. Music Since 1900. Mr. Alexander. *3 credit hrs.*

The musical scene in Europe and in the United States during the twentieth century. Analyses of works by Schönberg, Stravinsky, Bartók, Hindemith, Copland and others. Requisite. Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

43. Choral Music. *3 credit hrs.*

The development of choral composition from Plainsong to the contemporary idioms with emphasis on Bach, Handel and Beethoven. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1959–60.*)

44. Beethoven. Professor V. Morgan. *3 credit hrs.*

A study of the piano, chamber, and orchestral music. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester in alternate years.*

45. Bach. Professor Mishkin. *3 credit hrs.*

The Bach style studied in relation to the development of music from 1600. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester in alternate years.*

46. The Opera. Professor V. Morgan. *3 credit hrs.*

The development of the musical drama with emphasis on a detailed study of operatic types. Representative works by Mozart, Verdi, and Wagner. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester in alternate years.* (*Omitted 1959–60.*)

47. Chromatic Harmony and Analysis. Professor Mishkin. *3 credit hrs.*

A continuation of Music 23–24 with emphasis on the harmonic idioms of the nineteenth century. Composition in the smaller forms. Requisite. Music 24. Three hours of classroom work per week. *Elective for Juniors. First semester.*

48. Tonal Counterpoint. Professor Mishkin. *3 credit hrs.*

Contrapuntal technique of the eighteenth century, invertible counterpoint, canon, and two part inventions. Requisite: Music 24. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

49. Music of the Romantic Period. Professor V. Morgan. *3 credit hrs.*

A study of the Romantic idioms with special reference to the chamber music, piano music and Lieder of Schubert, Schumann, Mendelssohn, Chopin, Liszt, Brahms and Wolf. Requisite: Music 25 or the consent of the Department. *Elective for Juniors and qualified Sophomores. First semester in alternate years.*

52. Mozart and the Classical Style. Professor Mishkin. *3 credit hrs.*

A study of the classical idiom with special reference to the instrumental and vocal music of W. A. Mozart. Requisite: Music 25 or the consent of the Department. *Elective for Juniors and qualified Sophomores. Normally second semester in alternate years.* (*Omitted 1959–60.*)

53. Special Studies in Musical Analysis. *3 credit hrs.*
The Department.

An historical-analytical approach to the study of style. Representative examples of the motet, pre-fugal forms, and variation will be analyzed in detail. Limited to 12 students. One two-hour seminar per week. Requisite. Music 23, 24, 25 and the consent of the Department. *Elective for Seniors. First semester.*

54. Special Studies in Musical Analysis. *3 credit hrs.*
The Department.

A continuation of Music 53. Representative examples of the madrigal, binary form, and the art song will be analyzed in detail. Requisite. Music 53. *Elective for Seniors. Second Semester.*

79. Conference Course. The Department. *6 credit hrs.*

Studies in history or advanced theory. *Elective for qualified Seniors. First semester.*

80. Conference Course. The Department. *6 credit hrs.*

A continuation of Music 79. *Elective for qualified seniors. Second semester.*

Philosophy

Professor Kennedy; Associate Professors Epstein † and Kennick;
Assistant Professors Gould and Nielsen

Note: The courses open to Sophomores: Introduction to Philosophical Literature, Ethics, Logic, and History of Philosophy, may count towards a major in Philosophy. All majors in Philosophy are required to take Philosophy 43 and 44.

Candidates for the degree with honors in Philosophy are required to take the courses numbered 23, 24, 43, 44, 79, and 80, and will elect their further courses with the approval of the Department. Each candidate will write, in conjunction with the conference courses in the senior year, an original essay on a topic which has been approved by the Department. He will take, early in May of senior year, two written and one oral examinations. One written examination will be on the general history of European and American Philosophy. The other written examination will be on some field of philosophy which the candidate may select, with the approval of the Department—metaphysics and philosophy of science, logic and theory of knowledge, ethics and social philosophy, aesthetics, history and philosophy of religion. The oral examination will be a defense by the candidate of his original essay before a committee of members of the Philosophy and affiliated Departments. Recommendation for the various degrees of honors will be made by the Department on the basis of the original essay and the three examinations.

Majors and majors with honors may also be taken in the following combined fields:

Philosophy and Classics
Philosophy and English

†*Absent on leave first semester.*

Philosophy and History
Philosophy and Political Science
Philosophy and Psychology
Philosophy and Religion

The selection of courses to constitute such combined majors, the topic for an original essay and the arrangements for comprehensive examinations must in each case be approved by representatives of the two departments concerned. Recommendation for the various degrees with honors will be made by committees composed of members of the two departments concerned.

21. Introduction to Philosophical Literature. *3 credit hrs.*
Professor Kennedy.

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. First semester.*

21S. Introduction to Philosophical Literature. *3 credit hrs.*
Professors Epstein and Nielsen.

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. Second semester.*

23. Logic and Scientific Method. Professor Nielsen. *3 credit hrs.*

The basic character of scientific knowledge; the fundamental principles of inference operative in experimental inquiry; an introductory discussion of representative philosophical interpretations of the foundations of science. Material taken from the physical, biological and social sciences will be treated from the standpoint of three main topics: (1) Concept formation and formulation of hypotheses, (2) Formal logic and the deductive development of theories, (3) Statistical inference and the verification of hypotheses. (No previous training in the sciences or philosophy is presupposed.) Three class hours per week. *Elective for Sophomores. First semester.*

24. Ethics. Professor Kennedy. *3 credit hrs.*

The bases of morality; theory of the moral life; moral issues involved in social problems. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. Second semester.*

26. Introduction to the Philosophy of Science. *3 credit hrs.*
Professor Epstein.

An examination of experimental and theoretical procedures of the physical and social sciences. Fundamental and Derived Measurement, Comparative and Quantitative concepts, Definition and Reduction as methods of concept formation are among the subjects studied in their relations to the logic of Prediction and Explanation and to the Verification and Falsification of theoretical systems. The results are brought to bear on such representative views in the philosophy of science as Emergentism, Operationalism, Positivism and Logical Empiricism. Three class hours per week. *Elective for Sophomores. Second semester.* (*Omitted 1959–60.*)

41S. Philosophy of Education. Professor Kennedy. *3 credit hrs.*

A comparative and critical study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies. Three class hours per week. *Elective for Juniors. Second semester.*

43. History of Ancient and Medieval Philosophy. *4 credit hrs.*
Professor Kennick.

A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on Plato, Aristotle, the Stoics, the Epicureans and some Christian philosophers. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Sophomores. First semester.*

44. History of Modern Philosophy. Professor Kennick. *4 credit hrs.*

A survey of European philosophy in the seventeenth, eighteenth, and nineteenth centuries, with emphasis on Descartes, Spinoza, Locke, Hume, and Kant. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Sophomores. Second semester.*

45. Philosophy of Religion. Professor Martin. *3 credit hrs.*

(Same course as Religion 45.) An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three class hours per week. *Elective for Juniors. First semester.*

47. American Philosophy. Professor Nielsen. *3 credit hrs.*

A study of the modern period in American thought. Reading and discussion of works by Peirce, James, Santayana, Veblen, Dewey and Whitehead. Three class hours per week. *Elective for Juniors. First semester.*

49. Contemporary Religious Thought. Professor Martin. *3 credit hrs.*

(Same course as Religion 49.) *Elective for Juniors. First semester.* (*Omitted 1959–60.*)

51S. Aesthetics. Professor Kennick. *3 credit hrs.*

A comparative and critical examination of the principal theories of the nature of art, the creative process, aesthetic experience, "beauty" or aesthetic value, and of the principles of appreciation and the standards of criticism. Special emphasis is placed upon the thought of modern philosophers and critics. Three class hours per week. *Elective for Juniors. Second semester.*

53. Plato and Aristotle. Professor Gould *4 credit hrs.*

(Same course as Classics 53.) Several major works by each of these philosophers will be read in their entirety and discussed in class. The chief aim of the course will be to achieve a comprehension of the major philosophical positions of these writers, though some attention will also be paid to the historical development, the antecedents, and the subsequent influence of their ideas. All readings will be in English. Three class hours per week. *Elective for Juniors. Limited to twenty-five students. First semester.*

71. Representative Philosophers. *4 credit hrs.*
Professors Kennick and Lazerowitz.*

A critical examination of selected philosophical arguments, drawn from the history of philosophy, including the recent past, and of the positions which they purport to establish; together with an attempt to explain the nature of these arguments, with particular attention being given to the problem of antinomies. To be offered at both Smith and Amherst Colleges. Requisite. Two semester courses in philosophy, or the consent of the instructors. One two-hour period per week. *Elective for Seniors. First semester.*

72. Representative Philosophers. Professor Nielsen. *4 credit hrs.*

An introduction to philosophical problems connected with psychology and the social sciences. Concept formation and types of explanation in psychology and the social sciences will be discussed. Basic concepts like motivation, intention, action, mental acts, meaningful behavior, empathy and causal explanation and social role will be analyzed. Relevant contributions of Wittgenstein, Ryle, Feigl and others will be read and discussed. Requisite: a grade of B in two semester courses in either philosophy, psychology, political science, economics or history or any combination thereof (or permission from the instructor). One two-hour period per week. *Elective for Juniors. Limited to fifteen students. Second semester.*

74. Metaphysics. Professor Kennick. *1 credit hr.*

A comparative and critical examination of some metaphysical concept (e.g., Substance, Event, Time) or of the answers, both classical and modern, to some metaphysical question. This examination will not be

*Prof. Morris Lazerowitz is a member of the Philosophy Department at Smith College; the course is given in alternate weeks at Amherst and Smith.

made for historical purposes but will presuppose some knowledge of the major figures in the history of philosophy. Requisite: Philosophy 43 and Philosophy 44, or the consent of the instructor. One class hour per week. *Elective for Seniors. Second semester.* (*Omitted 1959–60.*)

79. Conference Course. The Department. *4–8 credit hrs.*

Required of candidates for honors in philosophy. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester. *Elective for Seniors. First semester.*

80. Conference Course. The Department. *4–8 credit hrs.*

Required of candidates for honors in philosophy. *Elective for Seniors. Second semester.*

Physical Education

Professors Eckley, Lumley, and Richardson; Associate Professors McCabe, Ostendarp, Rostas, and Wilson; Assistant Professors Dunbar and Serues; Messrs. Miller, Scandrett and Van Petersilge.

Complete physical examination, physical fitness tests, special exercises for individual development and a program of instruction and participation in team games and sports. *Required for Freshmen and Sophomores and men who have not met the department standards in swimming, fitness, team games, and recreational sports.*

Physics

Professors Arons and Soller; Associate Professors Benson and Towne; Assistant Professors Dempsey, Gordon, and Romer

Any student considering the possibility of majoring in physics should seek the advice of a member of the physics staff as early as possible in order to plan his program wisely. This program will vary with the student's interest and ability. For example, besides the program intended for those who intend to go on for graduate work, there are other programs more appropriate for students who need a good background in physics either as teacher in secondary schools, or in industry or business on a non-engineering basis. For both rite and honors students, provision is also made for a major in the important and rapidly growing fields of chemical physics or bio-physics, as well as for a pre-medical program.

Course Requirements

The following courses are required for all physics majors: Physics 22, 51, 52, 53, Science 43 (or Mathematics 34), and in addition to these, certain courses as listed below:

a) *Major (rite):* Either Physics 56 or 77; and Physics 76. The balance

of the 30 hours required for any major may be satisfied by any combination of the following: any other physics courses, any course in Astronomy, Mathematics 23, 31, 32; Chemistry 24, 41, 42.

b) *Major with honors:* Physics 54, 75, 76, 79, 80; Mathematics 31, 32. Any student who intends to do graduate work in physics should register for honors work, but the honors program is available to other qualified students as well. It is practically imperative that a student who wishes to do graduate work in physics take courses Physics 51, 52, 53, and 54 in his Junior year, and Physics 75 and 76 in his Senior year.

The aim of honors work in physics is to provide an opportunity for the student to develop under faculty direction his ability and interest in individual investigation, and his skill in experimental or theoretical techniques. The primary fields of experimental research in progress in the department are low temperature physics, nuclear magnetic resonance, and mass spectrometry and oceanography. In addition, however, experimental equipment is available for work in some phases of magnetism, ultrasonics, optics, electronics, and nuclear physics. The student is given facilities to review the literature in the field chosen, to design. construct and assemble his experimental equipment, and to make observations. During the spring, he is required to present his work in the Physics Seminar, and to prepare a thesis, which is due on May 1.

In addition, the honors student is required to take comprehensive examinations, two written and one oral. The first written examination is given at the end of the first semester of the senior year and is designed to test his grasp of fundamental physical principles. The student's achievement on this examination, together with his progress on his honors problem, will determine the advisability of his continuing the honors program. The purpose of the second written examination, which is given during the latter part of May, is to test the student's comprehension of the basic ideas and methods of the more advanced phases of physics. The oral examination by the department is usually primarily on the thesis and allied topics.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive examinations.

c) *Major in biophysics or chemical physics:* It is strongly urged that the prospective biophysics or chemical physics major begin planning in his Freshman year, and arrange his program, which is a demanding one, with members of the physics department.

1. Same course as Science 1. *4 credit hrs.*

2. Same course as Science 2. *4 credit hrs.*

22. Introductory Course. Professor Dempesy. *4 credit hrs.*

A course which takes up various blocks of subject matter and essential physical concepts not covered in Science 1, 2. Required for most science majors and all pre-medical students. Mechanics, fluids, thermodynamics, electricity, optics. Emphasis on use of mathematics and solution of problems. Four hours of lectures and class discussions and one laboratory period per week. Requisite: Science 1, 2. *Elective for Sophomores. Second semester.*

22S. Introductory Course. Professor Towne. *4 credit hrs.*

Same Course as 22. *Elective for Sophomores. First Semester.*

51. Mechanics. Professor Dempesy. *3 credit hrs.*

Newtonian dynamics and statics of particles and rigid bodies from a vector point of view. Special emphasis is placed upon a thorough treatment of periodic motion. Three hours of lectures and discussions per week. Requisite: Physics 22, Mathematics 3. *Elective for Juniors. First semester.*

52. Wave Phenomena. Professors Towne and Gordon. *4 credit hrs.*

General characteristics of wave motion—the wave equation, energy relationships, diffraction, interference, reflection, refraction and polarization. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its applications in the two fields. Four hours of lectures and problems and one laboratory period per week. Requisite: Physics 51. *Elective for Juniors. Second semester.*

53. Electricity and Magnetism I. Professor Soller. *4 credit hrs.*

Fundamentals of electrical and magnetic measurements, and fundamental direct- and alternating-current theory, including bridge methods and coupled circuits. Three hours of lectures and discussion, and one laboratory period per week. Requisite: Physics 22, Math 3, and concurrent registration in Physics 51, except by special permission of the instructor. *Elective for Juniors. First semester.*

54. Electricity and Magnetism II. Professor Benson. *3 credit hrs.*

Introduction to electromagnetic theory, employing vector methods throughout. Potential theory, electrostatics, electric currents, magnetism, induced emfs, Maxwell's equations, electromagnetic waves, and Poynting's theorem. Three hours of lectures and discussions per week. Requisite: Physics 51, 53, Mathematics 31, 32 (concurrent). *Elective for Juniors. Second Semester.*

56. Electronics. Professor Soller. *3 credit hrs.*

Characteristics of vacuum and gas filled thermionic tubes, and their application in a variety of circuits, with emphasis on circuits which are

important in scientific work, rather than in communication. Two lectures or discussions, and one laboratory period per week. Enrollment in course limited. Requisite: Physics 53 and the consent of the instructor. *Elective for Juniors. Second semester.*

73S. Theoretical Physics. Professor Romer. *4 credit hrs.*

Advanced dynamics. Lagrangian and Hamiltonian formulations of classical mechanics; variational principles; Canonical transformations; Hamilton-Jacobi theory. Four hours of lectures or seminars per week. Requisite: Physics 52 and the consent of the instructor. *Elective for Seniors. Second semester.*

75. Thermodynamics. Professor Gordon. *4 credit hrs.*

Generalization of the ideas of work, heat, energy. Mathematics of thermodynamics. First and Second Laws with applications to one component systems. Thermodynamic functions as criteria of equilibrium. Interpretation of thermodynamic laws and functions in terms of the behavior of aggregations of atoms and molecules. Requisite: Physics 52, 54. *Elective for Seniors. First semester.*

76S. Modern Physics. Professor Romer. *4 credit hrs.*

Changes in views of space, time, matter and radiation resulting from 20th century developments in physics. Special theory of relativity, blackbody radiation, photo-electric effect, quantum theory of specific heats of solids and gases, Bohr's quantum theory, the wave aspects of matter and an introduction to the Schrödinger equation and the Heisenberg uncertainty principle. Application of the Schrödinger equation to some atomic systems. The exclusion principle and the modern explanation of the periodic table. Some topics from nuclear physics. Requisites: Physics 52 and 53. *Elective for Seniors. First semester.*

77S. Advanced Laboratory. Professors Benson and Soller. *2 credit hrs.*

An introduction to some techniques which are essential in experimental physics, and selected modern physics experiments. Machine shop work, the Millikan oil-drop experiment, the Franck-Hertz and photoelectric experiments, nuclear magnetic resonance, nuclear counting procedures. Other experiments can be chosen by the student. Four hours of laboratory per week. *Elective for Senior physics majors. Second semester.*

79–80. Honors Course. The Department. *6 credit hrs.*

Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work. *Elective for Seniors who have been admitted to the honors program. First and second semester.*

Political Science

Professors LATHAM, † LOEWENSTEIN, and ZIEGLER;
Messrs. KESSEL, KATEB and LITT.

Note: A major in political science consists of eight courses in political science. All majors are required to take 21 or 21S, Introduction to Political Science, and 31, American Government. For majors in the Department, 21 or 21S is a prerequisite or corequisite for all courses in the Department. In addition, the Department requires each major to take one of the courses in each of the following fields: Comparative Government, International Law and Relations, and Political Theory. Rite majors must take a seminar course in the Department in either their Junior or Senior year. Students not majors in the Department may take any course in the Department with the consent of the instructor.

The honors program is designed to provide students through advanced work in political science, with the full opportunity for independent research and writing. In addition to the courses prescribed for all majors, honors candidates are required to take 79 and 80, and to prepare a substantial thesis based upon independent research, upon which they will be examined orally. In addition, they will be required to pass a written comprehensive examination on the four fields offered by the Department, in the spring of their Senior year.

21. INTRODUCTION TO POLITICAL SCIENCE. Mr. KESSEL. *4 credit hrs.*

An analytical treatment of the role of politics in human society. Attention will be given to the theoretical and historical bases of political institutions, the social roots of political behavior, and the characteristics of the political process. Four hours of classrom work a week. Prerequisite or corequisite for all Political Science courses taken by Political Science majors. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO POLITICAL SCIENCE *4 credit hrs.*
Professor LATHAM.

Same description as above. Prerequisite or corequisite for all Political Science courses taken by Political Science majors. *Elective for Sophomores. Second semester.*

23. ELEMENTS OF MODERN POLITICS. Professor LOEWENSTEIN. *3 credit hrs.*

A systematic introduction to the understanding of the political process in the modern world and an analysis of the interrelationship of state, government, and people in the formation and exercise of political power. Three hours of classroom work per week. *Students enrolled in this course are required to take Political Science 35 (1 credit hr.). Elective for Sophomores. First semester.* (*Omitted 1959–60.*)

Absent on leave first semester.

24. Patterns of Government. Professor Loewenstein. *4 credit hrs.*

A comparative study of the functions, techniques, and institutions of political society as reflected by the different forms of states and government, with special emphasis on the theory and practice of contemporary democratic and autocratic government. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

25. American Constitutional Development. *4 credit hrs.*
Professor Latham.

The development of American constitional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crises of 1935–1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Four hours of classroom work per week. *Elective for Sophomores. First semester.* (*Omitted 1959–60.*)

27. Political Parties. Mr. Kessel. *4 credit hrs.*

The role of people, parties and pressure groups in the politics of American democracy. Attention will be devoted to: campaign activities of the candidates; party support for the candidates; voting behavior; sectional and historic roots of national politics; the institutional politics of Congress and the Presidency; the competition for power among business, labor, agriculture, and the other major organized interests. Three hours of classroom work per week plus participation and further work in political campaigns. *Elective for Sophomores. First semester.*

29. International Politics. Professor Loewenstein. *3 credit hrs.*

A critical analysis of the forces and techniques engaged in the ideological power conflict in the Mid-Twentieth century. The course will deal with the material and psychological elements of national power, the foreign policy of the Great Powers, the role of law, diplomacy and violence in present day world politics, and the prospects of peace or war in a bipolarized world. Three hours of classroom work per week. Students enrolled in this course are required to enroll also in Political Science 35 as a fourth credit hour. *Given in alternate years. Elective for Sophomores First semester.*

31. American Government. Professor Ziegler. *4 credit hrs.*

An introduction to the major problems of American democracy; their political, economic, and social implications and their historical evolution.

Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Required for all majors in the Department. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

35. Issues of International Politics. Professor Loewenstein. *1 credit hr.*

An analysis of relevant topics and currents of contemporary international politics. The selection of the issues will be conditioned by their significance for the conflict between power politics and peaceful cooperation. Lectures and discussion. One hour of classroom work per week. *Elective for Juniors. The course must also be taken by Sophomores simultaneously enrolled in Political Science 23 or 29. First semester.*

41. The Administration of Public Policy. *4 credit hrs.*
Mr. Kessel.

An introduction to the problem of bureaucracy in American government with attention to social factors that shape and condition administrative structures; group behavior in administrative agencies; the theory of organization in its formal and informal aspects; the political setting of public administration; problems involved in the formulation of American foreign policy. Four hours of classroom work per week. *Elective for Juniors. Limited to twenty students. First semester.* (*Omitted 1959–1960.*)

42. Administrative Law. Professor Ziegler. *4 credit hrs.*

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three hours of classroom work per week. Requisite: Political Science 25 or Political Science 41. *Elective for Juniors. Limited to 25 students. Second semester.* (*Omitted 1959–1960.*)

44. International Law. Professor Ziegler. *4 credit hrs.*

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

45. Comparative Political Institutions. *4 credit hrs.*
Professor Loewenstein.

A pragmatic approach to the causes and manifestations of the present world revolution, focusing on the political transformation under way in the various states and on the correlation of social structure and political organizations. Major attention will be paid to important political documents. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor; limited to fifteen students with the consent of the instructor. First semester.*

46. The Organization of the International Society. *4 credit hrs.*
Professor Loewenstein.

A study of the political, economic, and social forces shaping international relations and their attempted solutions through international organization, with special emphasis on the United Nations and other methods of international cooperation. The course will be geared as closely as possible to current developments on the international scene. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor; limited to fifteen students. Second semester.*

48. Problems in Public Policy and Administration.
Professor Latham. *4 credit hrs.*

Selected topics in public policy and administration. One two-hour classroom meeting a week. *Elective for Juniors. Limited to twenty-five students with the consent of the instructor. Second semester.*

50. State and Local Politics. Mr. Kessel. *3 credit hrs.*

Patterns of decision-making in small, medium-size, and large communities; problems of leadership in metropolitan areas; variations in the political setting of state government; the institutional politics of the legislature and the new governorship. Three hours classroom work per week. *Elective for juniors. Second semester.*

55. American Political Theory. Mr. Kateb. *3 credit hrs.*

A survey of major ideological conflicts in American thought from colonial times to the present, with emphasis upon the evolving concept of American democracy. Special attention to democratic and anti-democratic assumptions embodied in radical, liberal, conservative, and socialist theories of state and society as they have appeared in America. Where appropriate, the relation between American and European political theory will be considered. Alternates with Political Science 27. Three hours of classroom work per week. *Elective for Juniors with the consent of the instructor. First semester. (Omitted 1959–60.)*

57. Political Theory from Plato to Machiavelli.
Mr. Kateb. *4 credit hrs.*

A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Readings and discussion. Three hours of classroom work per week. *Elective for Juniors. Limited to twenty-five students. First semester.*

58. Political Theory from Hobbes to the Present.
Mr. Kateb. *4 credit hrs.*

A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

71S. Public Opinion. Mr. Kessel. *4 credit hrs.*

The role of public opinion in the politics of American democracy. Attention will be devoted to: measurement of opinion; the psychological organization of attitudes; the social and cultural sources of opinion; the rise, content, and impact of the mass media; politics in an era of mass communications. Three hours of classroom work per week plus participation in the design, administration and analysis of an opinion survey. *Elective for Juniors. Second semester.*

73–74. Introduction to Jurisprudence. *4 credit hrs.*
Professor Loewenstein.

A critical examination of the origin, concept and ends of the law; the prominent legal concepts and schools of jurisprudence, and the prevailing forms of the legislative and judicial process, including a comparative analysis of the major systems of law. The course will stress the importance of law and justice as a part of human culture. Requisite: The consent of the instructor. One three-hour seminar each week. *Elective for Seniors.* (*Omitted 1959–60.*)

79–80. Honors Course. The Department. *6 credit hrs.*

Elective for Seniors who have satisfied the necessary requirements. First and second semesters.

Psychology

Professors Koester and Coplin; Associate Professor Grose;
Assistant Professors Birney ‡ and Davenport

A major in psychology consists of either (1) thirty credit hours of work in psychology, or (2) a combination of twenty-two hours in psychology and eight hours in related fields.

Honors work in the department consists of the following: 1) in his

‡ *Absent on leave second semester.*

junior year the student prepares himself for psychological research by taking the junior honors course designed for this purpose; 2) in his senior year the student undertakes a research project and pursues a guided reading program aimed at broadening his understanding of psychological analysis and findings. Psychology 21 should be elected in the sophomore year by the student planning to do honors work.

21. Introduction to Psychology. Professor Koester. *4 credit hrs.*

An analysis of human behavior and experience in terms of concepts and general principles formulated on the basis of findings obtained by a variety of psychological methods. One of the major objectives of the course is the introduction of the student to procedures that are being used in the attempt to develop a scientific body of psychological knowledge. Emphasis will be placed upon the contributions of psychology to an understanding of those factors which significantly influence the development of human personality. Three class meetings per week and laboratory sessions. *Elective for Sophomores. First semester.*

21S. Introduction to Psychology. Professor Koester. *4 credit hrs.*

Same course as Psychology 21. *Elective for Sophomores only. Second semester.*

22S. Social Psychology. Professor Birney. *3 credit hrs.*

A psychological analysis of man's behavior with emphasis upon social influences. Attention will also be given to various aspects of group behavior. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

24. Developmental Psychology. Professor Davenport. *3 credit hrs.*

A study of the development of the most important aspects of behavior from birth to old age. The typical course of development and the factors which influence development are considered concurrently. Major emphasis is placed on problems of development in childhood and adolescence. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

41S. Abnormal Psychology. Professor Coplin. *3 credit hrs.*

A study of the major classes of psychological disorder, based on experimental and clinical findings. Particular attention is given to the causes and underlying mechanisms of the various abnormalities. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

42S. Educational Psychology. Professor Grose. *3 credit hrs.*

A psychological analysis of the educational process. The course is designed both for the prospective teacher and those who have a general

interest in the field of education. One two-hour seminar per week. Requisite: Psychology 21. *Elective for Juniors with the consent of the instructor. Limited to fifteen students. First semester.*

43. Motivation. Professor Birney. *3 credit hrs.*

A study of the directional determinants of behavior based upon empirical techniques and findings. Two class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors, with the consent of the instructor. First semester. (Omitted 1959–60.)*

44. Psychological Tests and Measurements. *3 credit hrs.*
Professor Grose.

An introduction to the basic principles of psychological tests and measurements used in research and in various areas of applied psychology. Attention will be given to the construction, administration, and interpretation of representative group and individual tests of intelligence, personality, aptitude, and achievement. Two class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors. Second semester. (Omitted 1959–60.)*

45. Research Procedures and Quantitative Analysis.
Professor Davenport. *3 credit hrs.*

An examination of psychological research procedures and designs and a study of quantitative methods that are used in the analysis of research findings with special emphasis upon advanced statistical techniques.

Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

46S. Psychology of Personality. Professor Birney. *4 credit hrs.*

A study of personality and its determinants with emphasis upon empirical findings and theoretical formulations. One two-hour seminar per week. Requisites: Psychology 21 and two additional courses in psychology. *Elective for Juniors with the consent of the instructor. Limited to 15 students. First semester.*

48. Experimental Analysis of Behavior.
Professor Davenport. *4 credit hrs.*

An analysis of behavior with exclusive emphasis upon experimental findings and principles. This course is designed to increase the student's understanding of the various ways in which it is possible to formulate a diversity of psychological problems in such a manner as to make them amenable to experimental study.

Three class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

50. An Introduction to Psychoanalytic Thought. Professor Koester. *3 credit hrs.*

A critical examination of psychoanalytic attempts to provide a theoretical understanding of human personality. Special emphasis will be placed upon the pioneer contributions of Freud and these will be compared and contrasted with later developments in the history of Psychoanalysis.

One seminar meeting per week. Requisite: Psychology 21. *Elective for Juniors with consent of the instructor. Limited to 15 students. Second semester.*

51. Psychological Theory. Professor Davenport. *4 credit hrs.*

An examination and critical evaluation of selected theoretical formulations in the field of Psychology. Some attention will be given to the special problems that must be faced in psychological theorizing and emphasis will be placed upon the influence of various types of theory upon contemporary psychological research. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.* (*Omitted 1959–60.*)

70. Juniors Honors. *3 credit hrs.*

Elective for Juniors who plan to do senior honors work. Requisites: Psychology 21 and two additional courses. *Second semester.* (*Omitted 1959–60.*)

72S. Marriage and the Family. Professor Coplin. *1 credit hr.*

An introduction to marriage and the family with emphasis upon psychological, biological, and sociological findings. One class meeting per week. *Elective for Seniors. First semester.*

74, 74S. Independent Study Courses. The Department. *4 credit hrs.*

In both semesters opportunities are made available to a limited number of students for independent study in several areas of psychological inquiry that are either not covered or dealt with intensively in the course offerings of the department. A list of the available areas may be obtained in the departmental office. A student may elect to do work in no more than two of the course areas during his junior and senior years. *Elective for juniors with permission of the instructor.*

79–80. Senior Honors. The Department. *6–8 credit hrs.*

Requisites: Psychology 21, and three additional courses in Psychology. *Elective for Seniors. First and Second semesters.*

Public Speaking

Professor Garrison and Mr. Scandrett

Note: Public Speaking 42 and 44 may be elected by students who have not taken Public Speaking 41 and 43.

21. Fundamentals of Oral Expression. *1 credit hr.*
Professor Garrison and Mr. Scandrett.

One hour of classroom work per week. *Required of Sophomores. First semester.*

22. Fundamentals of Oral Expression. *1 credit hr.*
Professor Garrison and Mr. Scandrett.

One hour of classroom work per week. *Required of Sophomores. Second semester.*

41. Extemporaneous Speaking; Techniques and Types of Speaking. Psychology of Persuasion. *3 credit hrs.*
Professor Garrison.

Requisite: A grade of "B" in Public Speaking 21–22 and the consent of the instructor. Three hours of classroom work per week. *Elective for Juniors; limited to thirty students. First semester.* (*Omitted 1959–60.*)

42. Extemporaneous Speaking; Techniques and Types of Speaking. Parliamentary Procedure. *3 credit hrs.*
Professor Garrison.

A continuation of Public Speaking 41. Three hours of classroom work per week. *Elective for Juniors; limited to thirty students. Second semester.* (*Omitted 1959–60.*)

43. Argumentation and the Forms of Public Address. *4 credit hrs.*
Parliamentary Procedure.
Professor Garrison.

A critical study of techniques effective in persuasion; oral and written composition. Requisite: A grade of "B" in Public Speaking 21–22 and the consent of the instructor. Three hours of classroom work per week. *Elective for Juniors; limited to fifteen students. First semester.*

44. Argumentation and the Forms of Public Address. *4 credit hrs.*
Professor Garrison.

A study of the application of behavioristic and Aristotelian techniques; oral and written composition. Three hours of classroom work per week. *Elective for Juniors; limited to fifteen students. Second semester.*

Religion

Professor Martin and Assistant Professor Pemberton.

All courses in religion may count towards a major, which shall consist of Religion 21, 22, Introduction to Religion, and six additional semester courses in religion or related studies approved by the Department.

Of these six additional courses at least three must be courses in religion, and it is recommended that they include Philosophy 43, 44, History of Philosophy.

Students definitely committed to a pre-theological course are not encouraged to major in religion, though they should take at least one basic course in the field.

Honors in religion shall consist of the Conference Course Religion 79, 80 taken in conjunction with a major in religion; satisfactory fulfillment of the general honors requirements of the college; satisfactory performance in written comprehensive examinations on the general history of religious traditions and on Bible, Philosophy of Religion, or some other area of special interest to the student; and the preparation and oral defense of a scholarly essay on a topic approved by the Department.

21. Introduction to Religion. Professor Martin. *4 credit hrs.*

The origins and nature of religion. Basic beliefs and practices of Confucianism, Hinduism, Buddhism, Judaism, and Islam as reflected in their scriptures and institutions. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

22. Introduction to Religion. Professor Martin. *4 credit hrs.*

The Christian heritage as reflected in the New Testament and the Christian classics. Basic Catholic and Protestant doctrines and practices. Some current trends in religious thought: modernism, humanism, and the new orthodoxy. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

23. The Old Testament. Professor Pemberton. *4 credit hrs.*

Foundations of the Hebrew-Christian tradition in the literature and life of the Old Testament. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

24. The New Testament. Professor Pemberton. *4 credit hrs.*

Foundations of the Christian tradition in the literature and life of the New Testament. May be elected to fulfill part of the Humanities requirement. Requisite: Religion 21 or 23, or consent of the instructor. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

45. Philosophy of Religion. Professor Martin. *3 credit hrs.*

An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature

and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three hours of classroom work per week. *Elective for Juniors. First semester.*

48. Religion in America. Professor Pemberton. *3 credit hrs.*

A survey of the main currents of religious thought in America from Colonial times to the present. *Elective for Juniors. Second semester.* (*Omitted 1959–60.*)

49. Contemporary Religious Thought. Professor Martin. *3 credit hrs.*

Analysis and comparison of the views of selected contemporary theologians and religious philosophers. (Same course as Philosophy 49.) Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1959–60.*)

52. Christianity in Modern Western Culture. Professor Pemberton. *3 credit hrs.*

A critical study of the relation of Christian theology to ethics through an analysis of the treatment of such dominant issues as church and state, love and justice, freedom and order by several Roman Catholic and Protestant theologians. *Elective for Juniors. Second semester.*

79. Conference Course. The Department. *4–8 credit hrs.*

Selected topics of study; required of candidates for honors in religion. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester. *Elective for Seniors with the consent of the instructors. First semester.*

80. Conference Course. The Department. *4–8 credit hrs.*

Selected topics of study; required of candidates for honors in religion. *Elective for Seniors with the consent of the instructors. Second semester.*

Russian

Messrs. Davis, Rubin,* and Kolesov

1. Elementary Course. Mr. Davis. *4 credit hrs.*

Grammar, pronunciation, oral practice. Four hours per week of grammar and two hours of oral practice. *Elective for Freshmen. First semester.*

2. Intermediate Course. Mr. Davis. *4 credit hrs.*

Four hours of grammar and two hours oral practice each week. Reading and analysis of selected texts. *Elective for Freshmen. Second semester.*

* *Absent on leave 1959–60.*

3. Advanced Course. Mr. Davis. *4 credit hrs.*

Reading and analysis of selected literary texts with some review of grammar and pronunciation. Four hours per week of reading and two hours oral practice. *Elective for Sophomores. First semester.*

4. Advanced Course. Mr. Davis. *4 credit hrs.*

Reading of literary texts from the 19th century and the modern period. Four hours per week of reading and two hours oral practice. *Elective for Sophomores. Second semester.*

Science

Science 1. Professors Arons and Brown in charge. *4 credit hrs.*

A course in physical science and mathematics. The objectives of the course are: to show what is meant by a scientific concept and how scientists construct a conceptual scheme to obtain a deeper understanding of physical phenomena; to show how scientists work and reason and how such reasoning has led to discoveries which have influenced the development of our culture and the outlook of man toward the world around him; to impart some knowledge of physical laws and phenomena, particularly those which affect our everyday lives and actions.

To achieve these ends, no attempt is made to cover a wide range of subjects in the fields of physics and mathematics; rather, a limited number of subjects is studied with some care, so as to develop a more profound understanding than would otherwise be possible.

In physics, topics are selected from mechanics in such a way as to develop an understanding of the ideas which led to Newton's formulation of the laws of mechanics and the theory of gravitation and thence to indicate the impact which the Newtonian synthesis has had on the subsequent development of science and philosophy. Selected topics from electricity and optics are then introduced and, combined with the previously developed topics in mechanics, are used to show how we have arrived at our present conception of the structure of matter.

In mathematics, topics are selected from analytic geometry and calculus in such a way as to show how this science has arisen as a powerful independent discipline and how its tools, in turn, have profoundly influenced the development of physical science. An introduction to the theory of sets is included.

Mathematics, two hours; Physics, two hours; Laboratory, two hours. *Required for Freshmen. First semester.*

Science 2. Professors Arons and Brown in charge. *4 credit hrs.*

The second semester of the course outlined above under Science 1.

Mathematics, two hours; Physics, three hours; Laboratory, two hours. *Required for Freshmen. Second semester.*

SCIENCE 1–2 STAFF; Professors ARONS, BENSON, BREUSCH, BROWN, DEMPSEY, GORDON, LOOMIS, ROMER, SOLLER, SPRAGUE, TOWNE, WILLCOX; Mr. RICHARDS.

3S. CONCEPTS AND METHODOLOGY IN MODERN SCIENCE.
Professors ARONS and EPSTEIN. *4 credit hrs.*

A course in physical science and philosophy, treating three great conceptual developments through which modern science has influenced the history of ideas and man's view of his place in the universe: relativity, the laws of thermodynamics, the quantum concepts. The point of departure is that reached at the end of Science 1, 2. Mathematical and physical concepts developed in the freshman course will be used throughout and will be extended where necessary. The scientific ideas will be developed with logical care and will be examined in their philosophical and historical context. The course is intended primarily as an elective for majors in humanities and the social sciences; it is not open to Physics majors. Majors in other sciences may be admitted by permission of the instructors. *Elective for Sophomores. Second semester. Alternate years.*

21. CHEMISTRY-BIOLOGY SEQUENCE. CHEMISTRY. *4 credit hrs.*
Professors KROPF and SCOTT; Messrs. RICHARDS and SILVER

A study of substances, their structure, their properties and the reactions by which they are converted into other substances. Attention is given to the orientation of chemistry toward physics, biology and the other related sciences. Three hours classroom and four hours laboratory work per week. (Same course as Chemistry 21.) Requisite: Science 2. *Elective for Sophomores. First semester.*

22. CHEMISTRY-BIOLOGY SEQUENCE. GENERAL BIOLOGY. *4 credit hrs.*
Professor KIDDER.

An introduction to biological principles integrated with the first semester chemistry which is arranged as part of a program of liberal study. Four classroom hours and two hours of laboratory work per week. (Same course as Biology 22.) *Elective for Sophomores. Second semester.*

23. ORGANIC EVOLUTION. Professor HEXTER. *4 credit hrs.*

A study of the evolution of organisms including the genetic background of evolution, the evolution of structure and function and certain theoretical aspects of the subject. Four lectures and one two-hour laboratory per week. (Same course as Biology 23). *Elective for Sophomores. First semester.*

23S. ORGANIC EVOLUTION. Professor WOOD. *4 credit hrs.*

Same description as Science 23; same course as Biology 23S. *Elective for Sophomores. Second semester.*

43. Introduction to Analysis of Data and Design of Experiment. Professor Arons. *1 credit hr.*

A series of lectures intended for all students in natural sciences (including pre-medical study), designed to give such students an awareness of the available objective methods of constructing experiments and interpreting experimental results. Specific illustrations will be taken from physical science, biology, psychology, and medical research. Elementary theory of errors. Confidence limits and tests for significant differences between experimental results. Testing hypotheses. Design of experiments. Calculus, at the level developed in Science 1, 2, is utilized throughout. *Elective for Juniors. First semester.*

Spanish

Associate Professor Johnson; Assistant Professor Cannon; Assistants: Mrs. Azpeitia and Mr. Ramírez.

Note: Major with honors. The honors major consists primarily in a program of extensive reading in the major authors of the last four centuries, and is intended also to provide a general knowledge of the development of Spanish literature since the end of the Middle Ages. Candidates will normally take the courses numbered 7, or 7S, 10, 21, 22, 25, 26, 42, 79, 80. In exceptional cases and with the consent of the Department, a related course in another department may be substituted for the eighth course in Spanish. All course elections are made in consultation with a representative of the Department, and the course program may be adjusted in special cases. An examination will be given in the second semester of the senior year in the history of Spanish Literature and in critical interpretation of texts. A thesis may be required.

Major for students not candidates for the degree with honors. The major must include thirty credit hours, not counting courses 1 and 3. Six of these credits may be in approved courses outside the Department.

Combined major in two languages. For a student whose primary language is Spanish, the major must include twenty credit hours in Spanish, not counting courses 1, 3 and 5; in the second language it must include ten credit hours, of which at least three must deal with literature.

Requirements for Sophomores in Humanities. The following courses are approved as satisfying the Humanities requirement in sophomore year: any course or combination of courses (numbered above 5, except Spanish 10) giving 4 credit hours.

1. Elementary Course. *4 credit hrs.*

Professor Cannon and Assistants.

Grammar, pronunciation, oral practice. This course will meet three

hours per week for explanation and demonstration, and four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. Intermediate Course. *4 credit hrs.*
Professor Cannon and Assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. Intermediate Course. Professor Cannon and Assistants. *4 credit hrs.*

Same description as above. Requisite: Spanish 1, or the equivalent. *Elective for Freshmen. Second semester.*

5. Advanced Course. *4 credit hrs.*
Professor Johnson and Assistants.

The purpose of this course is to complete the student's training in fluent reading and in oral comprehension. Reading of significant works from the modern period. Three hours per week in class, and three hours per week in small sections. Stress will be placed on the acquisition of aural comprehension of the language and oral practice. Conducted in Spanish. Requisite: A satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. First semester.*

5S. Advanced Course. Professor Cannon and Assistants. *4 credit hrs.*

Same description as above. Requisite: A satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. Second semester.*

7. Introduction to Hispanic Civilization. *4 credit hrs.*
Professor Johnson.

This course will meet four hours per week for the reading and discussion of selected texts: Lorca, Unamuno, Valle-Inclán, Cervantes, etc. Requisite: satisfaction of the language requirement. *Elective for Freshmen. First semester.*

7S. Introduction to Hispanic Civilization. *4 credit hrs.*
Professor Johnson.

Same description as above. Requisite: satisfaction of the language requirement. *Elective for Freshmen. Second semester.*

10. Advanced Composition and Conversation. *4 credit hrs.*
The Department.

Practice in conversation, free composition and set translation into Spanish; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of Spanish. Requisite: the consent of the instructor. Three class and two laboratory hours per week. *Elective for Freshmen. Second semester.*

21. Readings in Spanish Literature. Professor Cannon. *4 credit hrs.*

This course will meet three times a week to study approximately six representative novels, plays and poetry by such authors as Unamuno, Ortega, Jiménez, etc., and their relation to the main literary trends of recent times. Limited to 25 students. Requisite: satisfaction of the language requirement. *Elective for Sophomores. First semester.* (*Omitted 1959–60.*)

22. Readings in Spanish American Literature.
Professor Johnson. *4 credit hrs.*

This course will meet three times a week to study particularly the novels of Gallegos, Güiraldes, Barrios, Azuela, Mallea, Payró, etc. Individual student projects. Limited to 25 students. Requisite: satisfaction of the language requirement. *Elective for Sophomores. Second semester.* (*Omitted 1959–60.*)

25S. Readings in Spanish Drama. Professor Cannon. *4 credit hrs.*

This course will meet three times a week to study particularly "Don Duardos", "El Burlador de Sevilla", "Fuenteovejuna", "Yerma", and "La casa de Bernarda Alba". Limited to 25 students. Requisite: satisfaction of the language requirement. *Elective for Sophomores. Second semester.*

26S. Cervantes. Professor Johnson. *4 credit hrs.*

This course will meet three hours per week to study the major prose works of Cervantes and their relation to the Golden Age. Emphasis on *Don Quijote de la Mancha.* Limited to 25 students. Requisite: satisfaction of the language requirement. *Elective for Sophomores. First semester.*

27. Hispanic Authors. Professor Johnson. *1 credit hr.*

This course will meet once a week to discuss the *Romancero gitano* of Federico García Lorca and some ballads of the *Cancionero de romances*, s.a. Requisite: the permission of the instructor. *Elective for Sophomores. First semester.*

28. Hispanic Authors. Professor Johnson. *1 credit hr.*

This course will meet once a week to discuss modern Spanish American Literature, with particular emphasis on Ricardo Güiraldes. Requisite: the permission of the instructor. *Elective for Sophomores. Second semester.*

42. Advanced Readings in Spanish Literature. *2–4 credit hrs.*
The Department.

The content of this course will be determined each year by the student in consultation with the Department. Students with special interests are invited to consider the possibilities of this course. Requisite: the consent of the Department. *First and Second semesters.*

79–80. Conference Course for Honors Candidates. *4–6 credit hrs*

III

Lectureships, Honors, Fellowships, Prizes and Awards

Lectureships

The Henry Ward Beecher Lectureship

This lectureship fund of $10,000 was founded by the late Frank L. Babbott, LLD., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

The Clyde Fitch Fund

A fund of $20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College.

The John Woodruff Simpson Lectureship

A fund now amounting to $199,500 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowships and "to secure from time to time, from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

The George William and Kate Ellis Reynolds Lectureships

A fund of $150,000 established by the late George W. Reynolds of the Class of 1877 provides an annual income of approximately $9,000 which is divided into three equal parts to provide lectureships on Christ and Christianity, Science, and American Democracy.

The Charles E. Merrill Lectureship

A fund has been given by the late Charles E. Merrill of the Class of 1908 for a series of lectures and formal discussions on applied economics. Upon delivery, these lectures become the property of Amherst College for publication.

As in previous college years, a number of Merrill Lecturers will be brought to the College during 1959–1960 from the fields of government, business, labor, and agriculture.

Honors

THE PHI BETA KAPPA SOCIETY

The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership in the society is extended to about a tenth of the students in each class.

Officers

President: G. Armour Craig, '37
Vice-President: Willard L. Thorp, '20
Secretary-Treasurer: Theodore P. Greene, '43
Undergraduate President: Ralph S. Blume, '60
Undergraduate Secretary-Treasurer: Ralph S. Blume, '60

First Election, Class of 1960

Ralph Stuart Blume

Second and Third Elections, Class of 1959

George Townsend Amis
Richard Lionel Banner
Douglas Mather Behrendt
Thomas Livingston Benjamin
David Marshall Borden
William Ira Goldberg
Joel Goldin
Leonard Gordon
Werner Leonard Gundersheimer
Stephen Gurko
Bruce James Havighurst
Robert Wells Johnson
Gustav Edward Lienhard
Allan Lipton
Gerald Demuth Morgan, Jr.
Fred M. Newmann
Warren Olney, IV
Lawrence David Posner
Wilfred Baxter Postel
James Fay Powers
George Jonathan Roush
Richard Allen Snellgrove
Henry Hirsh Stern, Jr.
Robert Newell Teare
Joseph Samuel Tulchin

THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. The Society has as one of its purposes to give recognition to those students, members of the faculty, and research associates who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability may be recommended to associate membership by the departments concerned. In the case of undergraduates, nomination will be given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades). At present the chapter has a total membership of some 95 faculty and students.

Officers

President: Professor Robert B. Whitney
Vice-President: Professor Gerald P. Brophy
Secretary-Treasurer: Professor Alfred B. Willcox

Initiates—1959

to Full Membership

John Warner Davenport
Howard Robert Wolf

To Associate Membership

Richard Lionel Banner
Douglas Mather Behrendt
Thomas Livingston Benjamin
Stanley Julius Birge, Jr.
Peter Carl Block
Charles Michael Cashel
Stephen David Cederbaum
Peter Martin Conklin
Richard Brink DeMallie, Jr.
Joel Goldin
Polasa Hanmanlu
John Poston Houston
Robert Wells Johnson
Gustav Edward Lienhard
Allan Lipton
Wilfred Baxter Postel
David Elson Sheppard
Charles Padley Shoemaker, Jr
Richard Allen Snellgrove
Alain Francois Tallon
Lee Bland Talner
Maurice Hamilton Vaughan, Jr.
Mark E. Watkins
Charles Diran Yegian

THE BOND FIFTEEN

From the fifteen Seniors who have attained the highest general standing at the end of the first semester of senior year, two speakers are selected upon the basis of literary and oratorical merit to deliver orations at the Class Day Exercises. The Bond Prize of one hundred dollars is awarded to the speaker who delivers the best oration.

The Bond Fifteen, 1959

George Townsend Amis
Richard Lionel Banner
Paul Michael Dodyk
Werner Leonard Gundersheimer
Stephen Gurko
Bruce James Havighurst
Robert Wells Johnson
Gustav Edward Lienhard
Allan Lipton
Gerald Demuth Morgan, Jr.
George Jonathan Roush
Richard Allen Snellgrove
Robert Andrew Walker, Jr.
William Ira Weisberger
Charles Diran Yegian

DELTA SIGMA RHO

Delta Sigma Rho was founded in 1906; the Amherst Chapter was admitted in 1913. The purpose of Delta Sigma Rho is to encourage sincere and effective public speaking and to recognize achievement in this field of endeavor. To qualify for membership students must have participated in intercollegiate debating and be in the top 35% of their class. Members-at-large may be elected to recognize outstanding contributions to forensics.

Member-at-large: Professor Stewart Lee Garrison
Graduate Members: President Charles Woolsey Cole
Professor James Alfred Guest
Professor Hugh Dodge Hawkins
Professor Willard Long Thorp

Undergraduate officers

President: Keith Samuel Rosenn, '60
Vice President: Fred Lewis Wallace, '61

Fellowships

The College's funds for fellowships aggregate $501,000. From the income of these funds fellowships are awarded annually to graduates of Amherst College, and in some instances to graduates of other colleges, for study in graduate or professional schools. Applications should be made in writing to the Dean before March first.

The names of those to whom fellowships have been awarded for the current year will be found on page 14.

The Amherst Memorial Fellowships for the Study of Social, Economic, and Political Institutions, and for Preparation for Teaching and the Ministry

A fund of $116,900 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Henry P. Field Fellowships

Two fellowships of $500 each are available from the income of the bequest of the late Henry P. Field of the class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

The Edward Hitchcock Fellowship

The income from a fund of $20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N. Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

The Roswell Dwight Hitchcock Memorial Fellowship

A fund of $8300, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

The Rufus B. Kellogg University Fellowship

The income from a fund of $52,900 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The Faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or, with the approval of the said Faculty, at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

The Edward Poole Lay Fellowship

The income from a fund of $38,300, established by Frank M. Lay, of the class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the class of 1922, provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The James Ingram Merrill Award

A fellowship of $1,000 is available for a member of the graduating class or a recent alumnus who has done outstanding work in the field of English to assist him in graduate study at a University of his choice. The award may be made for either scholarly promise or for ability in creative writing. The award is to be made by the Fellowship Committee upon recommendation from the English Department.

The Forris Jewett Moore Fellowships

These fellowships, three in number, were established in memory of Forris Jewett Moore of the class of 1889 by his widow, Emma B. Moore.

In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of $22,700, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate and desires to engage in further study of that subject, preference to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of $16,500, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate and desires to engage in further study of that subject.

3. A fund of $21,900, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of philosophy while an undergraduate and desires to engage in further study of that subject.

The George Stebbins Moses Memorial Fellowship

The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader and a lover of ordinary people, and who is qualified scholastically to meet the calling of a theological career creditably. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the College Chaplain and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

The George A. Plimpton Fellowships

These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936 and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

The Sherman Pratt Faculty Fellowships for Study Abroad

These fellowships are awarded by the President of the College to younger members of the Amherst Faculty, on the basis of past performance in teaching and scholarship and programs for further study. The stipends may be fixed in such amount as the President may determine. Each holder of a Sherman Pratt Fellowship will be expected on his return to the College to deliver to the college body one or more lectures.

The John Woodruff Simpson Fellowships and Lectureships

A fund now amounting to $199,500 was established in memory of John Woodruff Simpson of the class of 1871, by his wife and daughter. The uses of the income as defined by the donors are as follows:

"1. To award to any graduate of Amherst College a fellowship for use in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Benjamin Goodall Symon, Jr. Memorial Fellowship

The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader, and who is qualified scholastically to meet the calling of a theologi-

cal career creditably, although he may plan to use the divinity school training for work in another field. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the College Chaplain and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

Fellowships Awarded by the American Schools of Classical Studies at Athens and Rome

The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any classical teacher at the College.

Columbia—Amherst Memorial Fellowship in History

This fellowship offered jointly by Amherst and Columbia is open to Amherst students in the graduating class for the study of History (preferably European History) at Columbia University. The stipend is determined on the basis of need but may be as much as $2500. It may be renewed for a second year if a student's record justifies such a renewal.

Yale—Amherst Memorial Fellowship in History

This fellowship offered jointly by Amherst and Yale is open to Amherst students in the graduating class for the study of History (preferably American History) at Yale University. The stipend is determined on the basis of need but may be as much as $2500. It may be renewed for a second year if a student's record justifies such a renewal.

Prizes and Awards

The following prizes are offered annually for proficiency in the work of the several departments of collegiate study, and for other qualifications. The recipients of awards for the previous year are named in each case.

Art

THE ANNA BAKER HEAP PRIZE, from the income of a fund of $1,800, established by the late Arnold N. Heap of the class of 1873; $110 is awarded to that Senior who submits the best essay in the field of "Art."

Divided between

Winthrop Kellogg Edey, '59
Werner Leonard Gundersheimer, '59

Biology and Geology

THE HARVEY BLODGETT SCHOLARSHIP, from the income of a fund of $2,500, established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the class of 1829, is awarded to aid student work in biology and geology in their educational phases as distinct from their more technical and strictly scientific phases: combined with

THE PHI DELTA THETA SCHOLARSHIP, from the income of a fund of $600, established by the Phi Delta Theta Fraternity, is awarded as a scholarship at the Woods Hole Marine Laboratory to a student for proficiency in biology.

(The two preceding scholarships usually are combined, with a single award of $180.)

Thomas Livingston Benjamin, '59

Chemistry and Medicine

THE HOWARD WATERS DOUGHTY PRIZE, from the income of a fund of $1,100, given anonymously; $65 is awarded to that member of the junior class who, in the opinion of the chemistry department, is best qualified to undertake an honors program.

Malcolm Foertner Nicol, '60

THE FRANK FOWLER DOW PRIZES, part of the income from a fund established by Fayette B. Dow, '04, in memory of his father; $300 is awarded to a member or members of the junior or senior class preparing to enter medical school, and whose undergraduate work indicates a career of usefulness and distinction in medicine.

Richard Lionel Banner, '59

Dramatics

THE RAYMOND KEITH BRYANT PRIZE, an annual gift of $25 from Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant, of the class of 1936, is awarded to that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play.

Peter Franc Strauss, '59

THE HERBERT E. MAYER PRIZE, of $100, provided by a gift from Robert Primack, of Lakewood, New Jersey, in honor of the services to community theater by Herbert E. Mayer of the class of 1935, is awarded annually to that undergraduate who in the opinion of the Dramatic Arts Department has shown outstanding achievement both in courses in Dramatic Arts and in theater work.

Wade Sammis MacConnell, '60

Economics

THE W. T. AKERS, JR. PRIZE of $50, provided by an annual gift from W. T. Akers, Jr., of the class of 1927, is awarded to that undergraduate who has, in the opinion of the economics department, written and submitted the best honors essay in economics.

Adrian Westbrook Throop, '59

THE HAMILTON PRIZE, established by his former students in memory of Professor Walton Hale Hamilton, distinguished member of the Department of Economics from 1915 to 1923, consisting of a collection of economics books, is awarded to that student other than a senior who ranks highest in the introductory economics course.

John Grosvenor Cross, '60

SYLVESTER AWARD, supported by an annual gift from Albert L. Sylvester of the class of 1924, goes to the junior majoring in economics, who has shown himself outstanding in his work in that Department while maintaining a worthy general average. If the recipient is already on the scholarship list, the award is $750; if not, the award is a prize of $100 and the remainder goes to Converse Library for the purchase of books in economics.

Robert Cross Vogel, '60

English

THE ACADEMY OF AMERICAN POETS PRIZE, of $100, made possible by a gift of Harry Woodbourne, is awarded annually for the best

poem or group of poems, preferably on nature, submitted by an undergraduate.

GEORGE JONATHAN ROUSH, '59

THE ARMSTRONG PRIZE, from the income of a fund of $2,500, established in part by Collin Armstrong of the class of 1877 in memory of his mother Miriam Collin Armstrong, awarded in the form of books to the value of $75 to members of the freshman class who excel in composition.

DOUGLAS COOK WILSON, '62

THE COLLIN ARMSTRONG POETRY PRIZE, from the income of a fund of $2,500, established in part by Mrs. Elizabeth H. Armstrong; $75 is awarded to the undergraduate author of the best original poem or group of poems.

SANFORD CHURCHILL LELAND, '59

THE CORBIN PRIZE, from the income of a bequest of $1000 established by the estate of William Lee Corbin of the Class of 1896; $60 is awarded for an outstanding original composition in the form of poetry or an informal essay.

LAURENCE FRANCIS SHEEHAN, '61

THE JOHN FRANKLIN GENUNG PRIZE, of $50, given each year anonymously in memory of Professor Genung, is awarded to that member of the junior or senior class who excels in prose composition.

JOHN WILLIAM DOWER, '59

THE HARRY RICHMOND HUNTER, JR. PRIZE, from the income of a fund of $1,400, established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the class of 1929; $50 is awarded to that member of the sophomore class who presents the best essay on a topic approved by the English department.

EARL CARLYLE DUDLEY, JR., '61

THE RALPH WALDO RICE PRIZE, from the income of a fund of $1,800, established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice, of the class of 1910; $110 is awarded for the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty.

JAMES LAWRENCE GUETTI, JR., '59

Fine Arts

THE ATHANASIOS DEMETRIOS SKOURAS PRIZE of $25 is given annually by an anonymous donor in the memory of Athanasios Demetrios Skouras, '36, who died in 1943 in Athens, Greece as a result of Nazi re-

prisal killings. The prize is given to a student who in the opinion of the Fine Arts Department has created an outstanding work of art or architecture or to a student who, in the opinion of the Music Department, was pre-eminent in music composition or rendition of a music selection. Preference to be given in the fine arts.

No award

Greek

THE WILLIAM C. COLLAR PRIZE, from the income of a fund of $1,300 established by the late William C. Collar of the class of 1859; $75 is awarded to that member of the freshman class who shall make on a written examination the best version in English of a previously unseen page from some Greek author.

James Alfred Guest, Jr., '62

THE HUTCHINS PRIZE, from the income of a fund of $1,300, established by the late Waldo Hutchins of the class of 1842; $75 is awarded to an upperclassman for excellence in Greek. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates.

James Kevin Rooney, '60

THE HARRY DE FOREST SMITH SCHOLARSHIP, of $600, is awarded to a member of the freshman class enrolled in one of the regular courses in the department of Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding his entrance to college. Students who have had either two or three years of Greek at school are eligible for this scholarship.

No award

Journalism

THE SAMUEL BOWLES PRIZE, from the income of a fund of $3,600 established by the late Samuel Bowles King, '02; to stimulate interest in journalism as a career, a prize of $210 is awarded to a student of the junior or senior class who has demonstrated proficiency in journalism. The income may be used from time to time for a scholarship or toward a lectureship.

Divided between

Paul Michael Dodyk, '59
John William Dower, '59

Latin

THE BERTRAM PRIZES, from the income of a fund of $2,400, established by the late John Bertram of Salem; two prizes of $80 and $50 each

are awarded to those students who, together with attaining a high average in the Latin courses of the Senior Year, present the best essays on some approved topic connected with these courses.

First Prize
No award

Second Prize
No award

THE BILLINGS PRIZES, from the income of a fund of $1,200, established by Frederick Billings in memory of Parmly Billings of the class of 1884; two prizes of $45 and $25 are awarded for general excellence in the Latin courses of the Sophomore Year together with the best essays on special topics connected with the authors read in that year.

Divided equally between
Donald Petithory Mossman, III, '61
Fred Lewis Wallace, '61

THE CROWELL PRIZES, from a fund of $2,300 in memory of Edward Payson Crowell of the class of 1853; prizes of $40 and $20 are awarded for the highest scholarship in the freshman Latin courses; prizes of $40 and $25 are awarded to the students who, together with attaining a high average in the Latin courses of the Junior Year, present the best essays on some approved topic connected with the junior Latin course.

Freshman Award

First Prize
Richard Clark Peterson, '62

Second Prize
No award

Junior Award

First Prize
Blair Hamilton Turner, '60

Second Prize
No award

Mathematics, Physics, and Astronomy

THE BASSETT PHYSICS PRIZES, from the income of a fund of $3,700 established by Preston Rogers Bassett of the class of 1913; two prizes up to $100 and $50 respectively may be awarded each year to those students who have distinguished themselves by the excellence and maturity of their performance in the class and laboratory work of the first course in Physics.

First Prize

Laurence Holland Beck, '62

Second Prize

Philip Edward Gossett, '62

THE PORTER PRIZE, from the income of a fund of $600, established by the late Eleazer Porter of Hadley; a prize of $35 is awarded for proficiency in first year astronomy.

Frederick William Luttmann, Jr., '61

THE WILLIAM WARREN STIFLER PRIZE, from the income of a fund of $1,000, created by the late Professor Stifler; $60 is awarded to a senior who has majored in physics and who is nominated by the teaching staff of the department for excellence in work in the courses of physics for the junior and senior years, with special weight in the course on electricity and magnetism.

Charles Diran Yegian, '59

THE WALKER PRIZES, from the income of a fund of $6,000, given by the late William J. Walker of Newport, Rhode Island; two prizes of $110 and $70 are awarded for proficiency in mathematics of the first year, and two prizes of $110 and $70 for proficiency in mathematics of the second year. In each case the award is determined by an examination.

First Year

First Prize

David Joel Schultz, '62

Second Prize

George Reinhold Tappert, '62

Second Year

First Prize

Stanley Hinman Masters, '61

Second Prize

Frederick William Luttmann, Jr., '61

Philosophy and Religion

THE MOSELEY PRIZES, from the income of a fund of $7,500, established by the late Thomas W. H. Moseley of Hyde Park; two prizes of $300 and $150 are awarded to members of the senior class for the best essays on a subject approved by the Department of Philosophy and Religion.

Divided equally among

Giles Buckingham Gunn, '59
Wayne Alfred Holsman, '59
Paul Holbrook Younger, '59

Physical Education

THE SAWYER PRIZES, from the income of a fund of $1,900, established by the late Edmund H. Sawyer, hon. 1878; $115 is available for prizes for improvement in the department of Physical Education.

Senior Class

John Eaton Abele, '59

Sophomore Class

Frederick Edwin Whyte, '61

Political Science

THE DENSMORE BERRY COLLINS PRIZE IN POLITICAL SCIENCE, of $50, given annually by Miss Margaret S. Densmore in memory of her nephew Densmore Berry Collins, of the class of 1940. The award will be made to the student submitting the best honors thesis in Political Science.

Paul Michael Dodyk, '59

Public Speaking

THE BANCROFT PRIZES, of $240 and $125, from the income of a fund of $6,200 established by the late Frederic Bancroft of the class of 1882; awarded to the two members of the senior class who produce the best orations. Both composition and delivery are considered in making the awards.

First Prize

René Steuer, '59

Second Prize

Lawrence David Posner, '59

THE BOND PRIZES, from the income of a fund of $2,300 established by the late Ephraim W. Bond of the class of 1841; $150 and $50 are awarded for the best productions spoken at the Senior Chapel service. The awards are determined by a committee appointed by the Trustees upon nomination by the Faculty.

First Prize

Paul Michael Dodyk, '59

Second Prize

George Townsend Amis, '59

THE GILBERT PRIZE of $100 from the income of a fund established by the late William O. Gilbert of the class of 1890 is awarded to a member of the junior class who produces the best oration. Both composition and delivery are considered in making the award.

THOMAS ALVAH SHUMAKER, '60

THE HARDY PRIZES, from the income of a fund of $1,200, established by the late Alpheus Hardy of Boston; prizes of $45 and $25 are awarded for excellence in extemporaneous speaking.

First Prize

LAWRENCE DAVID POSNER, '59

Second Prize

KENNETH PAUL ZAUBER, '59

THE KELLOGG PRIZES, from part of the income of a fund of $52,600, established by the late Rufus B. Kellogg of the class of 1858; two prizes of $70 and $50 are awarded to members of the sophomore or freshman classes for excellence in declamation.

First Prize

FRED LEWIS WALLACE, '61

Second Prize

GILBERT ROGER SHASHA, '61

THE ROGERS PRIZE, from the income of a fund of $1,200, given by Noah C. Rogers of the class of 1880; $70 is awarded to a member of the junior class for excellence in debate.

KEITH SAMUEL ROSENN, '60

Scholarship and Citizenship

THE ADDISON BROWN SCHOLARSHIP, from the income of a fund of $6,100, established by the late Addison Brown of the class of 1852; $370 is awarded to that member of the senior class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman, sophomore, and junior years.

CHARLES DIRAN YEGIAN, '59

THE SAMUEL WALLEY BROWN SCHOLARSHIP, from the income of a fund of $6,100, established by the late Samuel Walley Brown of the class of 1866; $370 is awarded to that member of the sophomore class who at the end of his sophomore year shall in the estimation of the Trustees rank highest in his class in character, class leadership, scholarship, and athletic ability.

DAVID FRANTZ BRADFORD, '60

THE FRANK A. HOSMER SCHOLARSHIP, from the income of a fund of $15,000 established by Frank A. Hosmer of the class of 1875; $600 is awarded to that member of the sophomore class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman year.

Mark Lawrence Stiglitz, '61

THE HOUSE MANAGEMENT COMMITTEE TROPHY is awarded each year after the end of the first semester to the sophomore delegation of a fraternity or social organization having the best scholastic record for the semester, judgment of the record to be based equally on comparative scholastic standing and on percentage of improvement as against the preceding semester.

1958–1959—Phi Gamma Chi

THE GORDON B. PERRY MEMORIAL AWARD, from the income of a fund of approximately $1,300, provides a trophy and cash prize of $75 to a freshman in good academic standing whose participation and attitude in freshman athletics and other activities are outstanding.

James Alfred Guest, Jr., '62

THE PORTER ADMISSION PRIZE, from the income of a fund of $1,200, established by the late Eleazer Porter of Hadley; $70 is awarded each year to the member of the entering freshman class who is judged to have the best general record on the College Board tests taken for admission to Amherst. The name of the successful candidate, together with that of his school, is published in the catalogue.

Stuart Benedict Filler, '62
Bryan High School, Yellow Springs, Ohio

THE PSI UPSILON PRIZE, from the income of a fund of approximately $5,100, established by the Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter; $250 is awarded to that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be, in the terms of the Ancient Athenian oath,* the "first citizen" of the College.

Paul Michael Dodyk, '59

* "I will not disgrace the soldier's arms, nor abandon the comrade who stands at my side; but whether alone or with many, I will fight to defend things sacred and profane. I will hand down my country not lessened, but larger and better than I have received it. I will accept readily and with understanding the verdicts of our judges, and I will obey the established laws and such other laws as the people may establish. If anyone shall attempt to overthrow the laws, I will not permit it, but whether alone or with many, I will fight to defend them; and I will honor the religion of our fathers. The gods attest this oath!"

THE JOHN SUMNER RUNNELLS MEMORIAL, from the income of a fund of $6,100, established in memory of John Sumner Runnells of the class of 1865; $370 is awarded to that member of the sophomore class who shall in the opinion of the Trustees of the College be preëminent in his zeal for knowledge and industry to attain it.

ROBERT GRIGGS HIGBIE, '60

THE OBED FINCH SLINGERLAND MEMORIAL PRIZE, from the income of a fund of $11,000 established by an anonymous donor; $670 is awarded by the Trustees of the College to that member of the junior class, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education; the award to be based upon demonstrated achievement with full consideration given to the external handicaps, financial and otherwise, under which his record was attained; in case of uncertainty the Trustees are to be guided by the example set by Obed Finch Slingerland.

RICHARD GEORGE SUCSY, '59

THE SYLVESTER SCHOLARSHIP of $750 provided by an annual gift from Albert L. Sylvester of the Class of 1924, is awarded to a senior who, being already on the scholarship list, at the end of his junior year has combined most clearly outstanding success in extra-curricular activities, including athletics, with academic distinction in one or more fields.

JAMES LAWRENCE GUETTI, JR., '59

THE STANLEY V. and CHARLES B. TRAVIS PRIZE, from the income of a fund of $2,300; established by the late Charles B. Travis of the class of 1864; $140 is awarded to that member of the graduating class who has made the most improvement as a man and as a scholar during his college course.

Divided equally between

JAMES LAWRENCE GUETTI, JR., '59
CHARLES DIRAN YEGIAN, '59

THE TREADWAY INTERFRATERNITY SCHOLARSHIP TROPHY, a silver cup, given by Hon. Allen Treadway of the class of 1886, in memory of his son, Charles Denton Treadway, awarded to that fraternity or the group of all non-fraternity men which has attained the highest scholastic average during the previous academic year.

1958–1959

ALPHA THETA XI

THE TRUSTEE TROPHY is awarded each semester to the fraternity or social organization showing the greatest percentage of improvement academically during the previous semester.

1958–1959

First Semester—Alpha Theta Xi

Second Semester—Delta Upsilon

THE WOODS PRIZE, an annual gift of $75 in memory of the late Josiah B. Woods of Enfield, is awarded for outstanding excellence in culture and faithfulness to duty as a man and as a scholar—particular attention being given in any prominent case to improvement during the four years' course.

Divided equally between

James Lawrence Guetti, Jr., '59
Charles Diran Yegian, '59

Other Prizes

THE ROBERT E. BAUSER MEMORIAL AWARD of a twenty-five dollar United States savings bond (or its equivalent), is given at the close of every academic year to that member of the Senior Class who, in the opinion of the senior board of Radio Station WAMF, has been of the greatest service in the operation and development of the station, during his tenure as station member. This award is sustained in perpetuity of Amherst College by the Alpha Chi Chapter of Phi Gamma Delta in memory of its brother, Robert E. Bauser, '54.

William George Segal, '59

THE ASHLEY MEMORIAL TROPHY, given by the Class of 1916 in memory of Thomas W. Ashley, '16, who was killed in action at Belleau Wood in 1918, is presented annually to the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game."

John Campbell Close, '59

THE HOWARD HILL MOSSMAN TROPHY, awarded annually to the member of the senior class, who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and to sportsmanship.

Thomas Billings Davenport Richardson, '59

THE PLIMPTON INTERFRATERNITY DEBATE TROPHY, given by Francis T. P. Plimpton, '22, awarded annually to the group which places first in the interfraternity debate tournament.

1958–59—Phi Gamma Chi

Represented by Charles Michael Cashel, '59,
and Kirk Lay Knight, '61

THE LINCOLN LOWELL RUSSELL PRIZE, from the income of a fund of $1,200 established by the late J. W. Russell, Jr. of the class of 1899 in memory of his son; $70 is awarded to that member of the graduating class who has done most to foster the singing spirit in Amherst College.

John Dellert Wadhams, '59

Degrees Conferred November 1, 1958

BACHELOR OF ARTS

Rite

George Randolph Crossley
John Roderick Hayden

Cum laude

Seth Ulric Thaler
Biology

Degree Conferred January 31, 1959

BACHELOR OF ARTS

Rite

Thomas Vincent McKeon

Degrees Conferred June 14, 1959

BACHELOR OF ARTS

Summa cum laude

Paul Michael Dodyk
Political Science

William Ira Weisberger
Physics

Charles Diran Yegian
Physics

Magna cum laude

Richard Lionel Banner
Biology

Douglas Mather Behrendt
Biology

Thomas Livingston Benjamin
Biology

David Marshall Borden
English

Joel Goldin
Biology

Leonard Gordon
History

Werner Leonard Gundersheimer
History

Bruce James Havighurst
American Studies

Robert Wells Johnson
Mathematics
Allan Lipton
Biology
Gerald Demuth Morgan, Jr.
History
Fred M. Newmann
American Studies
Warren Olney, IV
English
Lawrence David Posner
History
Wilfred Baxter Postel
Biology
James Fay Powers
History
George Jonathan Roush
English
Richard Allen Snellgrove
Chemistry
Robert Newell Teare
Philosophy
Joseph Samuel Tulchin
American Studies
Robert Andrew Walker, Jr.
History

Cum laude

Miguel Ramon Alonso, Jr.
Biology
Joseph Jacob Amiel
English
George Townsend Amis
English-Greek
Joseph Lyon Andrews, Jr.
English
Eugene Paul Angrist
American Studies
James Vernon Applewhite
French
James Theodore Bartlett
American Studies
Bruce Duval Bent
Political Science
Daniel Lewis Bernstein
History
Stanley Julius Birge, Jr.
Biology
Herbert Spencer Bloch
Biology
Peter Carl Block
Biology
Carlile Bolton-Smith, Jr.
Economics
Samuel Alexander Brown
Biology
Jackson Robert Bryer
Dramatic Arts-English
Lawrence Rogers Burwell
Biology
Charles Michael Cashel
Biology
Stephen David Cederbaum
Chemistry
John Levan Demaree Clark
French
Allan Ray Cohen
English
Peter Martin Conklin
Biology
Robert Fenton Dalzell, Jr.
American Studies
Carl Sturges Dellmuth
Economics
Richard Brink DeMallie, Jr.
Chemistry
John Michael Demcisak
Political Science
Robert Wilbur Denious
English

John William Dower
American Studies
Robert Stuart Eccles
German
Winthrop Kellogg Edey
Fine Arts
Gordon Stuart Edwards
Biology
Claude Ernest Erbsen
History
Mark Walter Estrin
Dramatic Arts-English
Floyd David Fortuin
Economics
John William Freels, Jr.
Political Science
William Ira Goldberg
History
Theodore Green, III
Physics
Thomas Boardman Greenslade, Jr.
Physics
James Jacob Grosfeld
History
James Lawrence Guetti, Jr.
English
Stephen Gurko
History
Walter Scott Harlan, II
American Studies
Raymond Lewis Hayes, Jr.
Biology
Donald Cairney Helm
Mathematics
Anthony Frederick Hindley
Economics
Steven Richard Hirsch
Philosophy
Wayne Alfred Holsman
History
John Poston Houston
Psychology
James Roger Hull, Jr.
Economics
Charles DeWitt Hummer, Jr.
Biology
Arthur Cook Johnson
History
William Irvin Jones, Jr.
History
Hiromitsu Kaneda
Economics
Henry Todd Keutmann
Chemistry
William Frederick Kreutter, Jr.
Chemistry
George Andrew Lear, Jr.
Philosophy
John Ming-Yee Lee
Fine Arts
Gustav Edward Lienhard
Chemistry
John Rittenhouse Long
Philosophy
Richard Andrew McCann
American Studies
Robert Howard Margulis
Biology
Harvey Oliver Mierke, Jr.
American Studies
Suk-Kih Min
Mathematics
Robert George Chadbourne Moorhead
History
Stanley William Morris
American Studies
Donald Arthur Morrison
American Studies
Joseph Morton
Philosophy
Charles Elwood Moyer, Jr.
Chemistry
Markley Elwood Opdyke
French

Robert Bicknell Page
Biology
Kenneth Townsend Palmer
Political Science
Peter S. Pitarys
American Studies
Philip Rust Pryde
Economics
Jay Carlisle Rippard
American Studies
Barrett Sanders
French
Rudolf Dirk Schier
Economics
Richard Earl Schwemm
Physics
William George Segal
Mathematics
Kenneth Decker Shearer, Jr.
Mathematics
David Elson Sheppard
Biology
Joseph Dunbar Shields, III
Biology
Henry Hirsh Stern, Jr.
English
Peter Douglas Stern
English
David Strauss
American Studies
John Philip Suval
History
Robert Wilson Taft
English
Sheldon Ashley Taft
Geology
Lee Bland Talner
Chemistry
Adrian Westbrook Throop
Economics
Garrett Rezeau Tucker, III
Biology
James Douglas Tulloch
Biology
Maurice Hamilton Vaughan, Jr.
Biology
Paul Nelson Vonckx, Jr.
Physics
James Donald Wallace
Philosophy
Mark E. Watkins
Mathematics
Malcolm Howard Weinsaft
English
Harvey John Wilcox
American Studies
Clodius Harris Willis, Jr.
French
Howard Robert Wolf
English
David Strand Wollan
Physics
Donald Edmund Worfolk
Economics
Max Wei Yeh
Physics
Paul Holbrook Younger
Religion

Rite

Robert Reed Abbe
Wilder Kimball Abbott
John Eaton Abele
Richard Alan Abeles
Reynold Thomas Joseph Abruzzi, Jr.
Albert Otto Baumann, II
Joseph Gorham Beckford
Frederick Thomas Bedford, III
George Calhoun Betke, Jr.
Peter England Blau
Richard Martin Blystone
Richard Clarkson Bond, Jr.

Stuart Sheldon Bowie
Jonathan David Boyer
William Heasly Cavanagh
Peter Russell Clapp
Chester Dodge Clark
John Campbell Close
Richard Alan Cook
John Lewis Coon, III
Thomas Browne Cornell
Kenneth Douglas Crawford
George Manley Creamer, Jr.
George Christian Crosby, Jr.
Hubert Cameron Crowley
William Edwin Davis, Jr.
John William Dean
Arthur Dwight de la Ossa
John Deligeorges
Darryl Claude DeVivo
Colin Campbell Dickson
Bruce Flagg Duncombe
Oliver Rolfe Eastman, Jr.
John White Edwards
Thomas Harden Eighmy
Peter Tuckerman Esty
James Hildreth Ewing
James Webster Finn
Sanders Thalheimer Frank
William Chapman French
John Willard Frymoyer
John Rolfe Gardiner
Peter Kenneth Garson
Albert Blau Glickman
Herbert Ira Goulder
Timothy Frederic Graves
Robert Thomas Green, Jr.
Louis Raisler Greer
Giles Buckingham Gunn
John Shugart Hagmann
Thomas Augustus Halleran, III
Joseph Macdonald Harris, Jr.
Anthony Hazen
Robert Isaiah Heideman
Terrance William Hickey
Donald Jeffrey Hicks
George Clinton Higgins, Jr.
Robert Raymond Holmes
Peter David Jacobson
Charles McKown Janeway
Robert Stewart Jason, Jr.
Donald Chase Jenkins
Bradford Judkins Johnson
Harry Keith Johnson
Allan Reed Keith
Sun Ha Kim
Macreay John Landy
Francis Joseph Lawler
Sanford Churchill Leland
Stanley David Lelewer
Warren Ramsdell Leonard
John Arthur Liebert
Lee Neubert Lindeman
Donald Lowry Linton
Murray I. Litmans
Roger Sherman Loud
Norris Bailey Lyle
Walter Bacon McDaniel
Robert Hopkins McLean
John Whitfield McLemore
William Lawrence McQuillan, Jr.
Lawrence Keith Mann
Richard George Mannheim, Jr.
Barry David Maurer
Bruce Hyatt Miller
John Stargis Minely
Theodore Kendall Oberteuffer
Benjamin Kuhn Oko
Albert Stuart Pasternak
Richard Ladd Phelps
Forman Stillwell Phillips
William Pozefsky
Kenneth Leigh Purdy
Tarrant Putnam
Lee Benoist Ravenel
Peter David Ribicoff
Berkeley David Rice

Thomas Billings Davenport Richardson
Charles Hamilton Rideout, Jr.
Gerald Asher Roisman
Matthew Max Rubin
Jack Michael Sadowsky
Robert Stephen Salomon, Jr.
Dana Dean Sawyer, Jr.
Dale Lehman Schlafer
Craig William Schopf
James Elliott Scott
Frederic Jerome Sears
Mark Brian Selden
Howard Robert William Shea
Joshua Shere
Charles Padley Shoemaker, Jr.
Andrew Douty Sinauer
Charles Moulton Smith
Thomas Clark Spater
Richard Metcalf Spaulding
John Haines Spencer, Jr.
Melvyn Frederick Springer
René Steuer
James Nelson Strausbaugh, Jr.
Peter Franc Strauss
Thomas Edward Stuart
Richard George Sucsy
Donald Myrick Sykes, Jr.
Andrew Lex Taylor
David Dax Taylor
Robert Allan Thomases
David Dawson Thombs
Kenneth Stuart Thompson
Robert James Thompson
Laurence Emery Ullmann
John Dellert Wadhams
Boniface Wadors
Samuel Porter Ward
Robert Edward Webster
Thomas Wilson Weir
Charles Arthur Wells, Jr.
Alan Eugene Weston
Gerhard Witte
Albert Frederick Wood
Richard Leland Wooten
William James Wyly, III
Kenneth Paul Zauber
Robert Alan Zimmermann

MASTER OF ARTS

Alain Francois Tallon

Honorary Degree Conferred November 16, 1958

DOCTOR OF HUMANE LETTERS

John Ernest Neale

Honorary Degrees Conferred June 14, 1959

MASTER OF ARTS

Donald Brown Engley, 1939
Richmond Mayo-Smith, Jr., 1944

DOCTOR OF HUMANE LETTERS

William Gurdon Saltonstall

DOCTOR OF SCIENCE

Walter Orr Roberts, 1938

DOCTOR OF DIVINITY

Arthur Carl Lichtenberger

DOCTOR OF LAWS

Duncan Smith Ballantine, 1934
Leonard Page Moore, 1919
Abraham Ribicoff
George Kungchao Yeh, 1925

Medals for Eminent Service Awarded June 14, 1959

Everett Milton Hicks, 1929
John Henry Neale, 1924

IV

Enrollment

Enrollment

FALL SEMESTER

1959–1960

Graduate Student

Taketomi, Tamotsu	*Sasebo-shi, Nagasaki-ken, Japan*
Trapp, Edward Louis	*Pittsburgh, Pa.*
Whitmore, Stephen Carr	*Holyoke, Mass.*

Class of 1960

Allen, Julius Cadden	*Norwich, Conn.*
Allen, Robert Holt	*St. Louis, Mo.*
Allison, Alexander Cochrane, II	*Garden City, N. Y.*
Alonso, William Anthony	*Santurce, Puerto Rico*
Baer, Stephen Cooper	*Los Angeles, Cal.*
Bailey, Thomas Emerson	*Denver, Colo.*
Baker, Jonathan Benjamin	*Ventnor City, N. J.*
Baldwin, Charles Stephen	*Washington, D. C.*
Baldwin, Gordon Corcoran	*Shaker Heights, O.*
Barbash, Steven	*Teaneck, N. J.*
Barber, Wayne Sidman	*Short Hills, N. J.*
Barnett, Jay Gold	*New York, N. Y.*
Bartlett, John Beard	*Bronxville, N. Y.*
Bastian, John Frederick	*Rochester, N. Y.*
Bates, John Rhodes	*Swarthmore, Pa.*
Beer, Brian	*Delmar, N. Y.*
Belli, Pedro, Jr.	*Managua, Nicaragua*
Blume, Ralph Stuart	*Yonkers, N. Y.*
Boettiger, John Roosevelt	*Lafayette, N. Y.*
Bookwalter, John Robert	*Columbiana, Ohio*
Borton, John Carter, Jr.	*Alexandria, Va.*
Bradford, David Frantz	*Arlington, Mass.*
Breed, Putnam Pope	*Lynn, Mass.*
Breitenstein, Peter Frederic	*Denver, Colo.*
Brisk, Richard Allan	*Great Neck, N. Y.*
Brower, Jonathan Porter	*Belmont, Mass.*
Brown, Robert Savage	*St. Paul, Minn.*
Brown, Thomas Patterson	*Kirkwood, Mo.*
Buchanan, John Goodwin	*Washington, D. C.*
Bulkeley, John Zane	*Woodside, Calif.*
Bump, Daniel Boardman	*Weston, Mass.*
Burnell, Edward John, III	*Winnetka, Ill.*
Cady, Joseph Lawrence, Jr	*Hastings-on-Hudson, N. Y.*
Canoni, John David	*Wellesley, Mass.*
Capone, Arthur Albert	*Revere, Mass.*

Church, William Lawrence	*Milwaukee, Wis.*
Churchill, William Allen	*Greenwich, Conn.*
Clark, Richard James, Jr.	*Winchester, Mass.*
Clay, Reuben Anderson, Jr.	*Richmond, Va.*
Clements, Rex Stowers, Jr.	*Bryn Mawr, Pa.*
Cobb, Charles Wilbar	*Newton Centre, Mass.*
Cohen, Edward Alan	*New York, N. Y.*
Colby, William George, Jr.	*Amherst, Mass.*
Collins, Charles Thompson	*So. Orange, N. J.*
Connolly, Owen Robert	*Weston, Mass.*
Cook, Stuart William, Jr.	*Glen Ridge, N. J.*
Corbett, William J., Jr.	*Saltsburg, Pa.*
Cornell, John Russell	*Scarsdale, N. Y.*
Coy, Albert Wayne, Jr.	*Washington, D. C.*
Cromley, William Henry, Jr.	*Moorestown, N. J.*
Cross, John Grosvenor	*Litchfield, Conn.*
Crowley, James Edward	*Holyoke, Mass.*
D'Alvia, Raymond Anthony	*Croton-on-Hudson, N. Y.*
Darrow, Daniel de Schweinitz	*Mission, Kan.*
De Haas, Peter Hans	*Maplewood, N. J.*
Dillon, William Walker	*Ardsley-on-Hudson, N. Y.*
DiNisco, Kenneth Faustino	*Medford, Mass.*
Dowell, George Howard, Jr.	*Baltimore, Md.*
Du Bois, Leon Joseph	*Rochester, N. Y.*
Durrell, John Blaine	*Westport, Conn.*
Elder, Thomas Putnam	*Amherst, Mass.*
Farina, Terrance Lee	*Cedarhurst, N. Y.*
Ferguson, Richard Bert	*State College, Pa.*
Fine, Albert Hessel	*Brookline, Mass.*
Fishman, Louis Stephen	*Jamaica, N. Y.*
Fitzgerald, Roy Gerald, III	*Dayton, Ohio*
Flood, Charles Andrew	*New York, N. Y.*
Forgie, James William, Jr.	*Bala-Cynwyd, Pa.*
Foster, David Scott	*Ithaca, N. Y.*
Friendly, Jonathan	*Washington, D. C.*
Funk, David Gordon	*Oak Park, Ill.*
Gaskell, David Henry	*West Burke, Vt.*
Gernold, Richard Leonard	*Eggertsville, N. Y.*
Gilbert, Peter Richard	*Brooklyn, N. Y.*
Gillett, George Nield, Jr.	*Racine, Wis.*
Gillis, John Randall	*Eggertsville, N. Y.*
Glickman, Robert Morris	*Brooklyn, N. Y.*
Greek, Darold Irving, Jr.	*Columbus Ohio*

Greenaway, Malcolm Graham, Jr.	*New London, Conn.*
Gross, Peter Alan	*So. Orange, N. J.*
Guthrie, Daniel Albert	*Garden City, N. Y.*
Hadley, Frederic Murray, Jr.	*Indianapolis, Ind.*
Hall, Richard Chandler	*Flagstaff, Ariz.*
Hanford, Samuel Roby	*Rochester, N. Y.*
Hatfield, Philip Mitchell	*Miami, Fla.*
Healy, James Joseph	*Worcester, Mass.*
Heaton, William Edwin, Jr.	*St. Louis, Mo.*
Heckel, Philip Henry	*Rochester, N. Y.*
Henke, Joseph Thornbury	*Seattle, Wash.*
Henry, John Allen	*Hingham, Mass.*
Higbie, Robert Griggs	*Bethesda, Md.*
Hildreth, Arthur McLean	*Rockville, Md.*
Holland, Charles Howard	*Wellesley, Mass*
Hollis, Robert Louis	*Warren, Ohio*
Holmes, Gordon, Jr.	*Providence, R. I.*
Hoorneman, Evan Robert	*LeMars, Iowa*
Hopkins, Robert Parker	*Hingham, Mass.*
Hosford, Charles David	*Amherst, Mass.*
Hubert, Richard Frank	*Brookline, Mass.*
Hulley, Stephen Benjamin	*Hyannis, Mass.*
Huston, Edwin Allen	*Wynnewood, Pa.*
Hutchinson, Bruce Willis	*St. Paul, Minn.*
Ingersoll, Andrew Perry	*Brooklyn, N. Y.*
Inskeep, Peter Vincent	*Plainfield, N. J.*
Ittel, George Robert	*Pittsburgh, Pa.*
Jackson, James Spurgeon, Jr.	*Yonkers, N. Y.*
Jassie, Newton Laurence	*Brooklyn, N. Y.*
Jewett, Robert Allen	*Springfield, N. J.*
Johnson, Charles Wadsworth, III	*Scarsdale, N. Y.*
Johnson, Robert Maurice	*Hyattsville, Md.*
Jones, Hugh Richard, Jr.	*New Hartford, N. Y.*
Keady, Richard Emmett	*Woodside, Calif.*
Keally, Francis Taber	*New York, N. Y.*
Keffer, David Ralph	*Titusville, N. J.*
Keith, Thomas Barland, II	*Marion, Iowa*
Kelley, Frederick Eastman	*Arlington, Mass.*
Kirk, John Gallatin	*Wilmington, Ohio*
Kirschenbaum, Russell John	*Harrison, N. Y.*
Knapp, Hugh Heath	*Colorado Springs, Colo.*
Knapp, John Northcott	*Cedar Rapids, Iowa*
Kunian, Stephen Toby	*Swampscott, Mass.*

Langford, Malcolm Sparhawk, Jr.	*Washington, D. C.*
LaRowe, Peter Clark	*Bronxville, N. Y.*
Lawler, Robert Forrest	*Greenfield, Mass.*
Leach, Robert Lyman	*Davenport, Iowa*
Leibowitz, Stewart	*Richmond Hill, N. Y.*
Lewis, Douglas Edward	*Somerville, N. J.*
Lewis, Ward Bevins, Jr.	*Minneapolis, Minn.*
Lord, John McCollum	*Brewer, Maine*
McBride, Robert Edwin	*Lebanon, Conn.*
McClelland, James Craig	*Berea, Ohio*
McClure, Phillip Hutson	*Coral Gables, Fla.*
MacConnell, Wade Sammis	*Northport, N. Y.*
McDowell, John Lee, III	*Light Street, Pa.*
McKenna, John William	*So. Weymouth, Mass.*
MacLaughlin, Douglas Earl	*West Dover, Vt.*
McRoberts, Robert Leslie	*Sheboygan, Wis.*
Mace, David Morrill	*Fayetteville, N. Y.*
Madgic, Robert Francis	*Derby, Conn.*
Mann, John Gunther, Jr.	*Westfield, N. J.*
Marvin, Charles, III	*Woodbridge, Conn.*
Middleton, Ronald Newell	*Portville, N. Y.*
Miller, James Robert	*Great Neck, N. Y.*
Miller, Lewis Holmes, Jr.	*New York, N. Y.*
Miller, Roland Merritt	*Kinderhook, N. Y.*
Min, Pyong Re	*Seoul, Korea*
Morton, George Geoffrey	*St. Paul, Minn.*
Myhr, Robert Owen	*Hopkins, Minn.*
Neill, Robert Lee, Jr.	*Plainfield, N. J.*
Neubauer, John	*New York, N. Y.*
Newcomer, James Michael	*New York, N. Y.*
Nicholls, Richard Hall	*Elkhart, Ind.*
Nicol, Malcolm Foertner	*Briarcliff Manor, N. Y.*
Nisbet, Stephen Lee	*Lake Bluff, Ill.*
Northrup, Bruce Edgar	*Marietta, Ohio*
Parkman, Robertson	*Sewickley, Pa.*
Parry, Henry Donald	*Utica, N. Y.*
Paulson, Thomas Lynn	*Washington, D. C.*
Pennock, David Spanton	*Saunderstown, R. I.*
Perichitch, Milutin Ljoubicha	*New York, N. Y.*
Pesce, Joseph Raymond	*West Haven, Conn.*
Pettit, Donald Robert	*Staten Island, N. Y.*
Pierce, John Morley	*Buffalo, N. Y.*
Platte, Curtis Richard, Jr.	*Pleasantville, N. Y.*

Pollak, Robert Andrew	*Chevy Chase, Md.*
Pollock, Donald David	*So. Orange, N. J.*
Powell, Robert Philip	*Old Greenwich, Conn.*
Pratt, Roger Sherman	*New Milford, Conn.*
Prindle, Roderic Marvin	*Darien, Conn.*
Purdy, David Allan	*Ardsley, N. Y.*
Pusey, Walter Carroll, III	*Springfield, Pa.*
Quisenberry, John Anderson	*Bronxville, N. Y.*
Rains, Wilson Hill	*Chevy Chase, Md.*
Rapp, Clyde Edward, Jr.	*Dayton, Ohio*
Rappoport, Jonathan	*Hartsdale, N. Y.*
Raye, John Ramsey	*Wellesley Hills, Mass.*
Rhodes, Stanley Williams	*Fayetteville, N. Y.*
Richardson, John Paul	*Springfield, Mass.*
Rohrbaugh, Stephen Bunker	*Fayetteville, Ark.*
Rooney, James Kevin	*Dedham, Mass.*
Rose, Stuart Ramage	*New York, N. Y.*
Rosenberg, William Gordon	*Philadelphia, Pa.*
Rosenn, Keith Samuel	*Kingston, Pa.*
Rosenthal, Kenneth	*Paterson, N. J.*
Russell, Carlton Thrasher	*Keene, N. H.*
Sandstrom, Peter Gerhard	*New York, N. Y.*
Scanlon, Lee Francis	*Cromwell, Conn.*
Schneider, Martin Bennett	*Philadelphia, Pa.*
Schuster, George Slade, Jr.	*Rochester, Minn.*
Shactman, David Irwin	*Swampscott, Mass.*
Shawwaf, Su'ud Mohammed Ali	*Damascus, Syria*
Shick, Thomas Burt	*Rochester, Minn.*
Shilling, A. Gary	*Fremont, Ohio*
Shumaker, Thomas Alvah	*New Wilmington, Pa.*
Slocumb, John Crewe	*Rochester, Minn.*
Smith, Sanderson Morris	*Grosse Pointe, Mich.*
Snyder, Frederic Sylvester, II	*Mount Prospect, Ill.*
Snyder, Jeffrey Flood	*Menasha, Wis.*
Sokaris, Peter Gregory	*Albany, N. Y.*
Sonnenschein, Harry Adam	*New York, N. Y.*
Spencer, Norman Albert	*Brooklyn, N. Y.*
Steele, Robert Hampton	*Wethersfield, Conn.*
Stempien, Edward John, Jr.	*Meriden, Conn.*
Storey, Stephen Dean	*Stanford, Calif.*
Strohm, Paul Holzworth, Jr.	*Western Springs, Ill.*
Swearengen, Thomas Van	*Jefferson City, Mo.*
Swope, John Franklin	*Croton-on-Hudson, N. Y.*

Swope, Stephen Park	*Croton-on-Hudson, N. Y.*
Taylor, James Gary	*Denver, Colo.*
Taylor, James Michael	*Hamburg, N. Y.*
Turner, Blair Hamilton	*Evanston, Ill.*
Urmy, Thomas Van Orden, Jr.	*Williamstown, Mass.*
van den Toorn, Pieter Cornelius	*Upper Montclair, N. J.*
Vetter, William Robert	*Flushing, N. Y.*
Vickers, William Fredrick	*Andover, Mass.*
Vogel, Robert Cross	*Bloomfield Hills, Mich.*
Wallas, Charles Henry	*St. Louis, Mo.*
Wechsler, Richard Carl	*New York, N. Y.*
Weiant, William Morrow	*Westfield, N. J.*
Weiser, Robert Ralph	*Pottstown, Pa.*
Weisfelder, Richard Frederick	*Bronx, N. Y.*
Wendler, John Wallace	*N. Tonawanda, N. Y.*
Wentzel, Alan Raymond	*Wakefield, Mass.*
Wessner, John M.	*Blanchester, Ohio*
Westcott, Peter Walter	*Chatham, N. J.*
Wettick, Ralph Stanton, Jr.	*Sharon, Pa.*
White, James Boyd	*West Hartford, Conn.*
Wilder, Nicholas William George	*Rochester, N. Y.*
Will, George Frederick, Jr.	*Garden City, N. Y.*
Wilson, David Laurie	*Albany, N. Y.*
Wise, Morris Flarsheim	*Cincinnati, Ohio*
Wood, David Van Voorhis	*Washington, D. C.*
Wood, Harold Kenneth, Jr.	*Chadds Ford, Pa.*
Woodbridge, Timothy Frederick	*Oak Ridge, Tenn.*
Woodbury, Robert Louis	*Reading, Mass.*
Woody, George Edward	*Wyncote, Pa.*
Wynn, Richard Henry	*Roslyn, N. Y.*
Yamashita, Shintaro	*Tokyo, Japan*
Zeckhauser, Robert Alan	*Great Neck, N. Y.*
Zgrodnik, Joseph Frank	*Amherst, Mass.*
Ziegler, John Leverett	*Wilton, Conn.*
Zimmerman, Paul David	*New York, N. Y.*

Class of 1961

Aldrich, Ralph Edward	*East Douglas, Mass.*
Allard, Robert Gordon	*Norwood, R. I.*
Alschuler, Alfred Samuel, III	*Highland Park, Ill.*
Andrews, Hugh Blackledge	*West Hartford, Conn.*
Anthony, Cushman Dodge	*Newton Centre, Mass.*
Bair, Gary	*Pleasantville, N. Y.*

Baker, George Griffith	*Pittsburgh, Pa.*
Barber, Edwin Lamont, III	*Falls Church, Va.*
Barnett, Walter Whitney	*Glastonbury, Conn.*
Barrett, Robert Scott	*Clayton, Mo.*
Bender, James Jay	*Long Beach, N. Y.*
Berek, Peter	*Brooklyn, N. Y.*
Beyea, Jan Edgar	*Brooklyn, N. Y.*
Bixler, Sidney Rodgers	*Winchester, Mass.*
Blaich, Charles Richard	*Poughkeepsie, N. Y.*
Blanck, Robert Murison	*Freeport, N. Y.*
Bookwalter, James Richard	*Columbiana, Ohio*
Bornemann, David Richardson	*Havertown, Pa.*
Bracciotti, Paul Roger	*Stoneham, Mass.*
Bricker, David Carroll	*St. Louis, Mo.*
Broadbent, Peter Allan	*Pembroke, Mass.*
Browning, Robert Eugene	*Chappaqua, N. Y.*
Buchan, David Alexander	*Hillburn, N. Y.*
Bursk, John Howard	*Cohasset, Mass.*
Carlson, Gustaf Brainard	*Deep River, Conn.*
Cheska, John Charles, Jr.	*Wantagh, N. Y.*
Chotkowski, Charles Joseph	*Fairfield, Conn.*
Clifford, Denis Joseph	*Montclair, N. J.*
Colvin, Timothy James	*Arlington Heights, Ill.*
Cox, Roger Frazier	*Wynnewood, Pa.*
Crooks, Arthur Hew Dalrymple	*London, Ontario, Canada*
Cuthbertson, Robert Bruce	*Indianapolis, Ind.*
Daitz, Ronald Frederick	*Brooklyn, N. Y.*
Deane, Stuart Sneed	*Rock Tavern, N. Y.*
De Cicco, Peter Donald	*Port Chester, N. Y.*
Deisroth, Peter Brundage	*Hazleton, Pa.*
Denny, Harry, III	*Bronx, N. Y.*
Denny, Robert Francis, Jr.	*Mexico, Mo.*
Derby, Joseph Patrick, Jr.	*Springfield, Mass.*
Dimond, Richard Charles	*Paterson, N. J.*
Doerfer, Gordon Lee	*Bethesda, Md.*
Drew, Richard Alan	*Hartford, Conn.*
Dudley, Earl Carlyle, Jr.	*Vienna, Va.*
Duethorn, Guenter Anton	*Bethesda, Md.*
Dunkman, William Bruce	*Rochester, N. Y.*
Easterling, Jack LeRoy	*Cincinnati, Ohio*
Ells, Theodore Fischer	*Litchfield, Conn.*
Engelhardt, Dean Lee	*Pasadena, Calif.*
Estey, Frederick Russell	*Norwood, Mass.*

Fairchild, Paul Warner, Jr.	*Hinsdale, Ill.*
Fechheimer, Fred J.	*Detroit, Mich.*
Fentress, John Carroll	*Chevy Chase, Md.*
Fletcher, James Preston	*Darien, Conn.*
Fox, Eric Roger	*Rockville Centre, N. Y.*
Francesconi, Ralph Paul	*Milford, Mass.*
Franklin, Wesley Erwin	*Moscow, Pa.*
Frederick, Kenneth Dyer	*Providence, R. I.*
Fujikura, Koichiro	*Tokushimaken, Japan*
Fulton, Robert Campbell, III	*New York, N. Y.*
Gardiner, Richard	*Forest Hills, N. Y.*
Garner, Dennis Gary	*Ferguson, Mo.*
Garrett, George Kendall	*Swarthmore, Pa.*
Garrison, Lester LeRoy	*Wilmette, Ill.*
Gates, Jonathan Leland	*Weston, Mass.*
Goldberg, James Franklin	*Washington, D. C.*
Goldreyer, Bruce Neil	*Jamaica, N. Y.*
Goodhue, William Washburn	*Garden City South, L. I., N. Y.*
Gordon, Jeffrey Harold	*Albany, N. Y.*
Greenbaum, Alan Lester	*New York, N. Y.*
Greene, James Wilson, II	*Angola, N. Y.*
Greene, Lowell Hampton, Jr.	*Signal Mountain, Tenn.*
Grose, Christopher Waldo	*Amherst, Mass.*
Grossman, Paul	*Palo Alto, Calif.*
Hamilton, David Bailey	*Marshall, Mo.*
Hardaway, Richard Travis, Jr.	*Jamaica, N. Y.*
Harper, Robert Leslie	*Rochester, N. Y.*
Harrison, Hall Edward	*St. Louis, Mo.*
Haskell, Wyatt Rushton	*Birmingham, Ala.*
Hassel, Jon Brian	*Lakewood, Colo.*
Hatch, Theron MacDowell, III	*Melrose, Mass.*
Havighurst, Douglas Alfred	*Shaker Heights, Ohio*
Haynes, Walter Dunlop	*Washington, D. C.*
Heermance, J. Noel	*New Rochelle, N. Y.*
Herrick, Walter Dwight, III	*River Forest, Ill.*
Higgins, Douglas	*Orleans, Mass.*
Hill, Henry Albert, Jr.	*Princeton, N. J.*
Hill, James William, III	*Owings Mills, Md.*
Hinds, Alfred Boyd, Jr.	*Bronxville, N. Y.*
Hobbs, Donald Nichols	*St. Louis, Mo.*
Hopkins, Thomas Alexander	*Pittsburgh, Pa.*
Horsfall, Frank Lappin, III	*Malba, L. I., N. Y.*
Horton, Timothy Warner	*Saddle River, N. J.*

Howland, Richard Moulton	*Amherst, Mass.*
Hurlbert, Stuart Hartley	*Summit, N. J.*
Husbands, Charles William	*Littleton, Colo.*
Inglis, Richard, III	*Shaker Heights, Ohio*
Janes, Alexander Leslie	*Minneapolis, Minn.*
Johnson, David, III	*Gates Mills, Ohio*
Johnson, Steven Brian	*Pelham, Mass.*
Jones, Theodore Charles	*Vincentown, N. J.*
Junker, Howard Henry	*New York, N. Y.*
Kaufman, Thomas Howard	*Winnetka, Ill.*
Keener, Harry Alan	*Akron, Ohio*
Keith, William Bradford	*Brockton, Mass.*
Klein, Richard Benson	*Philadelphia, Pa.*
Kneisly, John Amos, II	*Frostburg, Md.*
Knight, Kirk Lay	*Darien, Conn.*
Knight, William Nicholas	*Manchester, Conn.*
Knipp, Charles Christopher	*Baltimore, Md.*
Knowles, Stephen Howard	*Northport, N. Y.*
Kohn, Monroe Alan	*Bridgeport, Conn.*
Kohn, Thomas Edward	*Milwaukee, Wis.*
Kozera, Richard John	*Hadley, Mass.*
Krismann, Theodore Cheff	*Peninsula, Ohio*
Kugler, Robert Alexander	*Winchester, Mass.*
Kuhn, Peter Pangman	*Warwick, Bermuda*
Kuklis, Robert Darryle	*Darien, Conn.*
Landy, Arthur Haym	*Philadelphia, Pa.*
Lee, Young Ho	*Seoul, Korea*
Levine, Mark Roger	*University Heights, Ohio*
Liebson, John David	*Richmond Heights, Mo.*
Lock, Frank Ray, Jr.	*Winston-Salem, N. C.*
Locke, John Johnson, Jr.	*Carmel, N. Y.*
Long, James Edward	*Holyoke, Mass.*
Lowy, Martin Eric	*Bronx, N. Y.*
Luttmann, Frederick William, Jr.	*Chappaqua, N. Y.*
Lyon, John Wilson	*Claremont, Calif.*
McGowan, Thorburn Jackson	*New London, Conn.*
Mague, Joel Tabor	*Millbridge, Me.*
Mallory, Andrew	*Havertown, Pa.*
Martula, Richard John	*Hadley, Mass.*
Masters, Stanley Hinman	*Winchester, Mass.*
Menschel, Stephen	*Woodmere, N. Y.*
Merritt, John Otis	*Williamsburg, Mass.*
Moriarty, Joseph Kearney	*Holyoke, Mass.*

Morrow, Stephen	*Katonah, N. Y.*
Mossman, Donald Petithory, III	*Brewster, N. Y.*
Munoz, Thomas Adolfo	*Estado Falcon, Venezuela*
Myers, Howard Barton, Jr.	*Washington, D. C.*
Naess, Michael Ragnar	*New Canaan, Conn.*
Neal, Mansfield Castleton, Jr.	*Washington, D. C.*
Neale, Henry	*Scarsdale, N. Y.*
Neimeyer, Harry Talbot	*Duluth, Minn.*
Nemet—Nejat, Murat	*Istanbul, Turkey*
Noyes, James Walton	*Swarthmore, Pa.*
Obre, Paul Lippincott	*Great Neck, L. I., N. Y.*
Olesker, Landis	*New York, N. Y.*
Otterstrom, James Rutger	*Darien, Conn.*
Owen, Robert Aneurin	*Wayzata, Minn.*
Park, Tae Wi	*Taegu, Korea*
Parks, John Scott	*Washington, D. C.*
Pearsall, Edward Spaulding	*Hewlett, N. Y.*
Pennington, Roger Bower	*Summit, N. J.*
Perkins, William Robert, III	*Washington, D. C.*
Perlbinder, Stephen	*Hewlett Bay Park, N. Y.*
Poler, Henry Saylor	*Bronxville, N. Y.*
Poulimenos, Peter	*Watertown, Mass.*
Powell, David Edward	*Brooklyn, N. Y.*
Pratt, William Porter, Jr.	*Hingham, Mass.*
Raleigh, Walter Joseph, Jr.	*Darien, Conn.*
Rand, Philip Tyler	*Egypt, Mass.*
Rapp, William Venable	*New York, N. Y.*
Ratzan, Kenneth Roy	*Cedarhurst, N. Y.*
Raub, William Longstreth, III	*Winnetka, Ill.*
Rein, Bert Walter	*Brooklyn, N. Y.*
Rhines, Christopher Symonds	*Glastonbury, Conn.*
Richardson, Joseph White	*Lexington, Va.*
Ring, David Mellor	*Rumford, R. I.*
Ritchie, Adam	*Mickleham, England*
Rogers, Peter Leslie	*Hartford, Conn.*
Ronveaux, John Arthur	*Wappingers Falls, N. Y.*
Rosengard, Robert Simon	*Brookline, Mass.*
Rosengren, C. Jon	*Fergus Falls, Minn.*
Ross, Norman Clark	*Gloucester, Mass.*
Sargent, Robert Anders	*New York, N. Y.*
Savage, John Edward, Jr.	*Towson, Md.*
Scattergood, Joseph, III	*West Chester, Pa.*
Schwartz, Peter Damon	*Longmeadow, Mass.*

Shasha, Gilbert Roger	*New London, Conn.*
Shedler, Gerald Stuart	*Forest Hills, N. Y.*
Sheehan, Laurence Francis	*Hamden, Conn.*
Shepley, Steven Charles	*Brightwaters, N. Y.*
Sheppard, Robert Allen	*Wayne, N. J.*
Shoemaker, Robert Worrall	*Franklin, N. J.*
Siegel, Robert	*Nutley, N. J.*
Slights, William Wellington Ent	*West Hartford, Conn.*
Snyder, Stuart Grant	*Portland, Me.*
Spence, Warren Andrew	*Port Washington, N. Y.*
Spire, Richard Lee	*Washington, D. C.*
Steinle, Paul Michael	*Sidney, Ohio*
Stiglitz, Mark Lawrence	*Gary, Ind.*
Strobel, Reaves Ewalt	*Boston, Mass.*
Stromberg, Kurt Jay	*Albuquerque, N. M.*
Sullivan, Arthur Ambrose, Jr.	*Wilmette, Ill.*
Szczepanek, Paul Stanley	*Ware, Mass.*
Szlosek, Richard Walter	*Northampton, Mass.*
Teiwes, Frederick Carl	*Hastings-on-Hudson, N. Y.*
Thatcher, Philip King	*Reno, Nev.*
Thomason, Melville Campbell	*Lenox, Mass.*
Thompson, Arthur Rumford, III	*Seattle, Wash.*
Thompson, Robert Sharpe	*Chevy Chase, Md.*
Todd, Edward Stephen	*Chicago, Ill.*
Touborg, Jens Nicolai Friis	*Tecumseh, Mich.*
Tufts, David Tamblyn	*Burbank, Calif.*
Turner, John Gosney	*Longmeadow, Mass.*
Twombly, Alexander Stevenson, III	*North Andover, Mass.*
Ullman, Richard Leo	*Hockessin, Del.*
Updike, Charles Bruce	*Hartsdale, N. Y.*
van Dyck, Olin Blair	*Rochester, N. Y.*
Van Tassel, Eric Robert	*New York, N. Y.*
Varmus, Harold Eliot	*Freeport, N. Y.*
Venman, Robert Lyon	*Bridgeport, Conn.*
Vesselago, Michael George	*Philadelphia, Pa.*
Walker, Bruce Howlett	*Bronxville, N. Y.*
Wallace, Fred Lewis	*Toledo, Ohio*
Ward, Peter Cowgill	*Haverford, Pa.*
Weiner, Robert Gills	*West Hartford, Conn.*
Whitney, George Crosier, III	*Geneva, N. Y.*
Whitney, John Sargent, Jr.	*Middleburg, Va.*
Whyte, Frederick Edwin	*Claremont, Calif.*
Willard, Bruce Everett	*East Hartford, Conn.*

Williams, Robert Wade	*Medfield, Mass.*
Willis, John Richard	*Cape Elizabeth, Me.*
Wilson, Richard Chase	*Pitman, N. J.*
Wirtz, Richard Stanley	*Winnetka, Ill.*
Wood, James Thornton	*Schenectady, N. Y.*
Wood, Jeremiah, III	*Gloversville, N. Y.*
Wood, Thomas Edward	*Sherman Oaks, Calif.*
Woodcock, John Alexander	*Huntington, N. Y.*
Yamashita, Eiro	*Tokyo, Japan*
Young, Evan Charles	*Akron, Ohio*
Young, Ralph Aubrey	*Washington, D. C.*
Zajchowski, Richard Allen	*Chicopee, Mass.*
Zeitler, Richard	*New York, N. Y.*

Class of 1962

Abodeely, Paul Albert	*Worcester, Mass.*
Adams, Donald Bradshaw	*Riverside, Conn.*
Ahana, William Wong	*Honolulu, Hawaii*
Alcaly, Roger Ellis	*New York, N. Y.*
Allen, James DeWolfe	*Shaker Heights, Ohio*
Anthony, Robert Williams	*Providence, R. I.*
Aplington, James Page	*Columbus, Ohio*
Arbuthnot, David Holt	*Geneva, Switzerland*
Ardiff, Ralph Ernest, Jr.	*Danvers, Mass.*
Aszling, Philip Eric	*Old Greenwich, Conn.*
Auerbach, Jesse	*Long Beach, N. Y.*
Barnes, Timothy Earl	*Hastings on Hudson, N. Y.*
Barney, Howard Hunter	*Mobile, Ala.*
Beck, Laurence Holland	*Wilmington, Del.*
Bellows, Peter Heacock	*Larchmont, N. Y.*
Berger, Howard Stephen	*Jamaica, N. Y.*
Berman, Morton Henry	*Brooklyn, N. Y.*
Bevis, George Randolph	*Chagrin Falls, Ohio*
Biddle, William Eugene, III	*Auburndale, Mass.*
Blood, David King	*Leonia, N. J.*
Blue, Anthony Dias	*Larchmont, N. Y.*
Boeschenstein, Warren Clifford	*St. Louis, Mo.*
Boesel, Frank Tilden	*Milwaukee, Wis.*
Bogosian, Robert Eznick	*Cliffside Park, N. J.*
Bond, David Crocker	*Norwell, Mass.*
Braemer, Richard Jeffrey	*Philadelphia, Pa.*
Braun, David Kent	*Bronxville, N. Y.*
Brecher, Joseph Jay	*Brooklyn, N. Y.*

Brockington, Philipp Ludwig	*Chesterton, Ind.*
Broughton, Richard Glover	*Amherst, Mass.*
Brown, Peter Ogden	*Ithaca, N. Y.*
Bryant, Courtney Stager	*Greene, N. Y.*
Buchwald, Irwin Allan	*Brooklyn, N. Y.*
Buck, Jeffery Edward	*Amherst, Mass.*
Carmany, George Walter, III	*Westhampton Beach, L. I., N. Y.*
Carpenter, Christopher Jenns	*San Francisco, Cal.*
Carpenter, Luther Pirie	*Grand Rapids, Mich.*
Chace, Hugh Ross, Jr.	*Ridgewood, N. J.*
Chadys, Joel Louis	*New Haven, Conn.*
Chambers, Reid Peyton	*Washington, D. C.*
Christaldi, Brian	*Upper Montclair, N. J.*
Cisney, William Curran	*Racine, Wis.*
Clark, Barkley	*Denver, Colo.*
Clark, Charles Kilburn	*Wellesley Hills, Mass.*
Clark, Daniel Cooper	*Grafton, Mass.*
Clinton, James Sanford	*Omaha, Neb.*
Cohler, Charles Benjamin	*Highland Park, Ill.*
Cook, Robert Stansfield, Jr.	*Fayetteville, N. Y.*
Cordonnier, Justin Caulfield	*St. Louis, Mo.*
Cotignola, Anthony Ralph	*Merrick, N. Y.*
Cronnell, Bruce Albert	*Dalton, Mass.*
Crowell, John Wayman	*Hamden, Conn.*
Cruikshank, David Lincoln	*East Longmeadow, Mass.*
Deaett, Alan Kenneth	*East Providence, R. I.*
Detterick, John Judd	*Las Vegas, N. M.*
Dickerson, Frank Secor, III	*Concord, Mass.*
Dickey, John Alan	*Shaker Heights, Ohio*
Diem, Michael Henry	*Litchfield, Conn.*
Ditzian, Michael David	*Rockville Centre, N. Y.*
Drake, Rossiter Jerome, Jr.	*Westport, Conn.*
Dunphy, James Francis	*Milton, Mass.*
Duryea, Peter Lane	*Hollywood, Calif.*
Duryee, John Sauge	*Summit, N. J.*
Duvall, Robert Lee, Jr.	*Huntington, N. Y.*
Elia, Philip Russell	*Boston, Mass.*
Elliott, Bruce Moore	*Waterford, Conn.*
Ellsworth, Michael Hamilton	*Brooklyn, N. Y.*
Elwell, David Leslie	*Newtown, Pa.*
Epstein, Jeffrey Michael	*Roslyn Heights, N. Y.*
Evers, Timothy Banks	*Glenbrook, Conn.*
Farnum, Bruce Edward	*Athol, Mass*

Fieger, Henry George, Jr.	*Bronxville, N. Y.*
Fields, Gilbert Alan	*West Newton, Mass.*
Filler, Stuart Benedict	*Yellow Springs, Ohio*
Fink, Gerald Ralph	*Freeport, N. Y.*
Freedman, Henry Allen	*Baltimore, Md.*
Freeman, Joseph Wood, Jr.	*Mountainside, N. J.*
Freeman, William LeClair	*Swansea, Mass.*
Fretz, Burton David	*North Newton, Kan.*
Friedrich, David Edward	*Winnetka, Ill.*
Gesing, Rand William	*Andover, Mass.*
Glass, Joseph Victor	*Brooklyn, N. Y.*
Glen, Jeffrey Elias	*Milwaukee, Wis.*
Goetzl, Edward Joseph	*Amherst, Mass.*
Gordon, Charles Chasins	*Baltimore, Md.*
Gossett, Philip Edward	*Forest Hills, N. Y.*
Gottlieb, Jeffrey Arnold	*Mount Vernon, N. Y.*
Gould, James Bernhard	*Great Neck, N. Y.*
Guest, James Alfred, Jr.	*Amherst, Mass.*
Gutcheon, Jeffrey David	*New York, N. Y.*
Hahn, Edwin Charles, III	*Scarsdale, N. Y.*
Hamblin, James Basil	*Sandusky, Ohio*
Hanford, Thomas Terry	*Rochester, N. Y.*
Harbison, Robert Dale	*Carlisle, Pa.*
Hauschka, Stephen Denison	*Buffalo, N. Y.*
Hayes, John Thompson	*Worcester, Mass.*
Hazlett, John Arbenz	*Wheeling, W. Va.*
Heebner, George Kenneth	*Lafayette Hill, Pa.*
Heitler, Dean J.	*Denver, Colo.*
Heitler, Don A.	*Denver, Colo.*
Heller, Arthur Paul	*Brooklyn, N. Y.*
Henningsen, Philip Roseman	*Milwaukee, Wis.*
Henry, Lowell Albert, Jr.	*Cleveland, Ohio*
Hersh, Stephen Peter	*New York, N. Y.*
Hoeldtke, Robert Daniel	*Buffalo, N. Y.*
Hughes, Edward Francis Xavier	*Roslindale, Mass.*
Jardine, David Ramsay	*Lyndonville, Vt.*
Jardine, William Sherman	*Albany, N. Y.*
Johnson, Edward Theodore, II	*Cleveland, Ohio*
Jones, Henry Warren, Jr.	*Guilford, Conn.*
Jones, Peter Radcliffe	*Woodstock, N. Y.*
Kabatznick, Joel Max	*Westbrook, Conn.*
Kaplan, Paul Elias	*Mount Vernon, N. Y.*
Keith, Robert Gordon	*Merion, Pa.*

Kiely, John Roche	*Woodside, Calif.*
Kirschenbaum, Ira Norman	*Brooklyn, N. Y.*
Kolman, Theodore Robert	*Normandy, Mo.*
Krick, James Allan	*Washington, D. C.*
Kriegel, Jay Lawrence	*Brooklyn, N. Y.*
Krone, Howard Barry	*Jamaica, N. Y.*
Kwass, Walter	*Brooklyn, N. Y.*
Lahm, David Field	*New York, N. Y.*
Landfield, Richard	*Glencoe, Ill.*
Landon, Robert Donald Wike, II	*Vestal, N. Y.*
Lavery, Hugh Joseph	*Bridgeport, Conn.*
Lawrence, David McKinnon	*Portland, Ore.*
Leach, Rice Cowan	*Louisville, Ky.*
Lees, Andrew	*Glenside, Pa.*
Lehman, Jay Stauffer	*Ardmore, Pa.*
Lehr, James Louis	*Kirksville, Mo.*
Leland, William Lewis	*Scarsdale, N. Y.*
Lelewer, David Kann	*Glencoe, Ill.*
Lewis, John Manwell	*Pittsburgh, Pa.*
Lilienthal, Philip Howard	*New York, N. Y.*
Lindsley, Herbert Benzinger	*Wichita, Kan.*
Lyons, Dudley Emerson	*New York, N. Y.*
McDermott, John William, Jr.	*Wolfeboro, N. H.*
McGeorge, Douglas Reynolds	*Salem, Ore.*
Mahar, Robert Lee	*Northville, N. Y.*
Manfredi, Dominic Vincent	*New York, N. Y.*
Marks, Leonard Joseph	*Pawtucket, R. I.*
Marsden, Charles Joseph	*Pelham, N. Y.*
Marshall, George Dwire	*Chevy Chase, Md.*
Mason, Benjamin Allen	*Waterbury, Vt.*
Meyrowitz, Ralph Eugene	*Syosset, N. Y.*
Miani, Phillip Nicholas	*Evergreen Park, Ill.*
Mignone, Robert Joseph	*North Haven, Conn.*
Miike, Lawrence Hiroshi	*Honolulu, Hawaii*
Miller, John Peter	*New York, N. Y.*
Mittenthal, Jay Edward	*Louisville, Ky.*
Montgomery, Roger Edmund	*Minneapolis, Minn.*
Moorhouse, John Pancoast, Jr.	*Ambler, Pa.*
Morehouse, John Randall	*Brooklyn, N. Y.*
Morgan, Craig Humphrey	*Gaithersburg, Md.*
Mosshammer, Alden Adams	*White Plains, N. Y.*
Mullane, Patrick Nicholas	*New York, N. Y.*
Muzzarelli, Uberto Tommaso	*Termo, Italy*

Nadel, William Roberts	*Irvington, N. J.*
Nelson, Charles Griffith	*Oak Park, Ill.*
Nichols, David Ackart	*Wilmington, Del.*
Nichols, George Nicholas	*Stamford, Conn.*
Niskanen, Anthony Stuart	*Philadelphia, Pa.*
Nixon, Robert Leon	*Glen Ridge, N. J.*
Nugent, Richard Recher	*Reading, Pa.*
Olanoff, Martin	*Brooklyn, N. Y.*
Oppenheim, Mark Joel	*Scarsdale, N. Y.*
Pagnini, David Tulio	*Milford, Mass.*
Parsons, Sidney Bailey	*Amherst, Mass.*
Pasmantier, Mark	*Cedarhurst, N. Y.*
Pauls, Richard Dayton	*Sheboygan, Wis.*
Paulson, Allan Roy	*Brookline, Mass.*
Paxson, Dean Allen	*Cedar Rapids, Iowa*
Perera, David Rhoads	*New York, N. Y.*
Perlman, Lee Alfred	*Larchmont, N. Y.*
Perlmutter, Jeremy Frederick	*Poughkeepsie, N. Y.*
Peterson, Richard Clark	*Reading, Mass.*
Pflaum, Stephen Rothschild	*Wayzata, Minn.*
Pochoda, Daniel Joseph	*Riverdale, N. Y.*
Pohl, Marc Alfred	*University Heights, Ohio*
Prigge, William Nixon	*Northport, N. Y.*
Randall, Michael Larry	*Merrick, N. Y.*
Randell, Ralph Gilbert	*Jamestown, N. Y.*
Reiskind, Jonathan	*Staten Island, N. Y.*
Rice, Jonathan Philip	*South Hadley, Mass.*
Richmond, Stewart Samuel	*Concord, N. H.*
Rieckhoff, James William	*Evanston, Ill.*
Robey, Bryant	*Cleveland Heights, Ohio*
Roll, David Lee	*Grosse Pointe, Mich.*
Rosenthal, Peter Norman	*New York, N. Y.*
Ross, Robert Reed Newberry	*Rumson, N. J.*
Rothstein, Jerold Michael	*Mount Vernon, N. Y.*
Rousseau, George Sebastian	*Brooklyn, N. Y.*
Sadin, Edward Barry	*Lawrence, L. I., N. Y.*
Sadler, Alfred Mitchell, Jr.	*Allentown, Pa.*
Sadler, Blair Leamer	*Allentown, Pa.*
Sayers, Lewis Howard	*Walpole, Mass.*
Sayles, Frederick Livermore	*Freeport, Maine*
Schuker, Theodore Beryl	*Forest Hills, N. Y.*
Schultz, David Joel	*Washington, D. C.*
Schwartz, Andre A.	*Shaker Heights, Ohio*

Scolnick, Tony	*Bayonne, N. J.*
Serber, John David	*Melrose Park, Pa.*
Sheridan, Michael Francis	*West Suffield, Conn.*
Sherwood, Paul Jay	*Hempstead, N. Y.*
Short, Alexander Campbell	*Alexandria, Va.*
Shrager, James Jay	*Plainfield, N. J.*
Siegler, Richard	*Yonkers, N. Y.*
Sill, Peter Lewis	*Margate City, N. J.*
Simpson, John Evan	*Sacramento, Calif.*
Skillman, Stephen Lee	*Maplewood, N. J.*
Smith, David Nevin	*Rydal, Pa.*
Smith, Harold Jeffrey	*Missoula, Mont.*
Sommers, Charles William, Jr.	*Cliffside Park, N. J.*
Spencer, George Henry	*Traskwood, Ark.*
Stearns, Warren Charles	*Evanston, Ill.*
Stender, Charles Danner	*Webster Groves, Mo.*
Stewart, Foster Ashe	*Pittsburgh, Pa.*
Stewart, Glenn Alexander	*Ellensburg, Wash.*
Stoever, William Alfred	*Albuquerque, N. M.*
Tappert, George Reinhold	*Philadelphia, Pa.*
Tapply, William George	*Lexington, Mass.*
Tatham, Campbell	*Ossining, N. Y.*
Teachout, Peter Read	*Montpelier, Vt.*
Todd, Samuel Richard, Jr.	*Darien, Conn.*
Vanags, Intis	*Pittsburgh, Pa.*
Van De Graaff, Merrill	*Ogden, Utah*
Van Nort, Steven Danforth	*Chagrin Falls, Ohio*
Walgren, Eric Lee	*Pittsburgh, Pa.*
Walter, Joseph Jackson	*Swarthmore, Pa.*
Ward, John Arthur, Jr.	*Riverside, Ill.*
Ward, Stephen Edmund	*Glen Ridge, N. J.*
Weber, Wilmer Michael	*Sheboygan, Wis.*
Webster, William Harvey, III	*West Hartford, Conn.*
Weedn, Robert James	*Duncan, Okla.*
Weiss, Lawrence	*Rockville Centre, N. Y.*
Wheeler, Porter King	*Anniston, Ala.*
Wheeler, Timothy Lukes	*Sequim, Wash.*
Whitehead, Lewis Richard, Jr.	*Seymour, Conn.*
Wiener, James Ralph	*New Rochelle, N. Y.*
Willing, Andrew Russell	*Mount Vernon, N. Y.*
Wilson, Douglas Cook	*Bloomington, Ind.*
Witwer, John Price	*Radnor, Pa.*
Wolf, Thomas Anthony	*Albuquerque, N. M.*

Wolff, David Stephen	*Elkins Park, Pa.*
Woodhouse, Thomas Edwin	*Cedar Rapids, Iowa*
Woodside, Richard Livingston	*Amherst, Mass.*
Woodworth, Fred Lowe	*Birmingham, Mich.*
Wynne, Winston Wiley, Jr.	*Coral Gables, Fla.*
Yanofsky, Saul Myer	*Brookline, Mass.*
Young, John Marshall	*Ditchley, Va.*
Younger, Dorn Walker	*Eastham, Mass.*

Class of 1963

Aber, William Lemmel	*Jefferson City, Mo.*
Ablon, Steven Luria	*New York, N. Y.*
Adams, Douglas Neale	*Jacksonville, Fla.*
Adams, Thomas Brady	*Indianapolis, Ind.*
Adler, Stephen Charles	*Gouverneur, N. Y.*
Afton, John Laun	*Palo Alto, California*
Allen, Leon Kenneth	*Paterson, N. J.*
Amend, William John Conrad, Jr.	*Greenville, Del.*
Anderson, Carl Edward	*Plainfield, N. J.*
Andrews, James Einar	*St. Paul, Minn.*
Aplington, Robert Kumpf	*Columbus, Ohio*
Arkin, Stephen Elias	*Brooklyn, N. Y.*
Arling, Gary Lester	*Joliet, Ill.*
Aurand, Benjamin Kyte	*Des Moines, Iowa*
Austin, Stephen Mark	*Long Beach, N. Y.*
Barnett, Peter MacDowell	*Williamstown, Mass.*
Bartolomei, Roy L.	*Massapequa, N. Y.*
Bateman, George Rotan	*Houston, Texas*
Batman, William Everett	*Larchmont, N. Y.*
Becker, Lawrence Wilfred	*West Berne, N. Y.*
Bergmann, Johannes Dietrich	*New Haven, Conn.*
Bergner, Alfred Paul	*New York, N. Y.*
Bernstein, Alan Saul	*Chevy Chase, Md.*
Best, Frank Valentine, Jr.	*Weston, Mass.*
Bhend, David Paul	*Nevada, Iowa*
Bird, James Cooper	*Baltimore, Md.*
Blanchard, Wyland Leadbetter	*Rochester, N. Y.*
Blanchett, Robert Gerard	*Rehoboth, Mass.*
Booth, Derek Leslie	*Boonton, N. J.*
Bosworth, Robinson, III	*Milwaukee, Wis.*
Bowden, Alan Bruce	*Pittsburgh, Pa.*
Boyce, Benjamin Elisha	*New Hampton, N. Y.*
Boyer, John Frederick	*Evanston, Ill.*

Bragg, Franklin Everett, II	*Bangor, Maine*
Brainard, Richard Holston	*Schenectady, N. Y.*
Brainerd, Alexander Lamb	*Menlo Park, Calif.*
Brookes, Gerry Harding	*Westboro, Mass.*
Brumm, Gregg Edward	*Normandy, Mo.*
Bryant, Stephen Palmer	*Cheshire, Conn.*
Buckley, Neill Kerry	*Wallingford, Conn.*
Burns, Walter Xavier	*Cos Cob, Conn.*
Cain, Stephen Gilbert	*Ann Arbor, Mich.*
Caldwell, John Dean	*Santa Barbara, Calif.*
Carpenter, Gordon Ambler	*Woonsocket, R. I.*
Carter, Joseph Coleman	*Elmhurst, Ill.*
Clapham, Wentworth Beggs, Jr.	*Chappaqua, N. Y.*
Clark, Peter Frank	*Rochester, N. Y.*
Clauson, James Wilson, Jr.	*Montclair, N. J.*
Cohen, Jerome	*Washington, D. C.*
Colton, Donald Stevens	*Hanover, N. H.*
Conger, Seymour Beach, III	*Pleasantville, N. Y.*
Crampton, John Philip	*Fort Washington, Pa.*
Crosby, Richard Wheeler	*Helena, Ala.*
Cushman, Louis Blauvelt	*Montclair, N. J.*
Daniel, Alan	*New York, N. Y.*
Danzis, Alan Lee	*Elizabeth, N. J.*
Davidson, Richard Bartlett	*New Canaan, Conn.*
Davis, William Alexander, Jr.	*New York, N. Y.*
Derr, John Sebring	*Waban, Mass.*
Diehl, Thomas Richard	*Manheim, Pa.*
Dobson, Peter Raymond	*Great Neck, N. Y.*
Doolittle, Robert Whiting	*West Roxbury, Mass.*
Dorner, Douglas Bloom	*Des Moines, Iowa*
Dramin, Edward Irwin	*Springfield, Mass.*
Drexler, Robert Daniel	*Cedar Rapids, Iowa*
Drumm, Bernhardt Charles, Jr.	*Port Chester, N. Y.*
Dubinsky, Henry William	*Richmond Heights, Mo.*
Dybikowski, James Chester	*South Hadley Falls, Mass.*
Emigh, John Stewart	*New Britain, Conn.*
Erickson, Carl David	*Pasadena, Calif.*
Faerber, Kent William	*St. Louis, Mo.*
Finkelstein, Jay Nathan	*Coral Gables, Fla.*
Flint, Paul Harry, Jr.	*Medford, Mass.*
Fobes, Walter Stewart	*St. Paul, Minn.*
Forgie, George Barnard	*Bala-Cynwyd, Pa.*
Franklin, John Weed, Jr.	*Darien, Conn.*

Fraser, Robert Baird	*George School, Pa.*
Freeland, Richard Middleton	*Mountain Lakes, N. J.*
Fried, Richard Mayer	*Milwaukee, Wis.*
Gardner, David Rockwell	*Barrington, Ill.*
Garton, David, Jr.	*Sheboygan, Wis.*
Gasarch, Mark	*Harrison, N. Y.*
Gerdine, Peter Coddington	*Dallas, Texas*
German, Richard Hubbard	*Middletown, Conn.*
Gibbs, Charles Kenneth, Jr.	*Mount Holly, N. J.*
Gibbs, Leon Buster	*Middletown, Conn.*
Gliedman, Anthony Bruce	*Brooklyn, N. Y.*
Goldberg, Robert Michael	*Washington, D. C.*
Gottlieb, Kenneth Ira	*Brooklyn, N. Y.*
Grant, Douglas McQueen	*Chicago, Ill.*
Grant, Stephen Hall	*Wellesley, Mass.*
Green, James Howard	*Wilmette, Ill.*
Greene, Andrew Frank	*New York, N. Y.*
Greene, Edward Frank	*Wellesley, Mass.*
Gregory, Brooke	*Wayland, Mass.*
Griffiths, Edwin Stephen	*Salem, Ohio*
Griggs, David Norman	*Claremont, Calif.*
Grose, Peter Lewis	*Great Neck, N. Y.*
Gubar, Edward Gilbert	*North Bergen, N. J.*
Haggerty, Peter Edward	*Whitinsville, Mass.*
Hallam, Mark Frederick, Jr.	*Nutley, N. J.*
Hanna, Ralph, III	*Austin, Texas*
Hawley, John Stratton	*Louisville, Ky.*
Hay, John Melvin	*Kirkwood, Mo.*
Hazen, Paul Mandeville	*Tucson, Ariz.*
Hemenway, Peter	*Flossmoor, Ill.*
Henry, DeWitt Pawling	*St. Davids, Pa.*
Herzog, Alfred	*Doylestown, Pa.*
Holmes, David Alan	*Wilmington, Del.*
Holmes, Robert Henry	*Denver, Colo.*
Holt, Wythe Whiting, Jr.	*Hampton, Va.*
Houghtlin, Charles Benjamin	*Evanston, Ill.*
Howes, Robert Ingersoll, Jr.	*Santa Fe, N. M.*
Huey, Burkett Wakefield, Jr.	*West Hartford, Conn.*
Israel, Daniel Harris	*Moylan, Pa.*
Jacobson, Lewis Arthur	*Brooklyn, N. Y.*
Johnson, Malcolm Pratt	*Hamden, Conn.*
Judis, John Barney	*Palm Beach, Fla.*
Keith, Robert Emerson, Jr.	*Ardmore, Pa.*

Kerns, Peter Jared	*North Plainfield, N. J.*
Kersten, Thomas Erwin	*Anaheim, Calif.*
King, Nan	*Washington, D. C.*
Kissam, Philip Charles	*Greenlawn, N. Y.*
Klevorick, Alvin Keith	*Rego Park, N. Y.*
Kraus, Charles Jungenfeld	*Kirkwood, Mo.*
Langford, Stephen Arthur	*Washington, D. C.*
Langfur, Stephen Joseph	*Cedarhurst, N. Y.*
Lanning, Jerome Knox	*Birmingham, Ala.*
Larrabee William Henry, IV	*Watertown, N. Y.*
Larson, Alan Everett	*West Hartford, Conn.*
Laux, Michael Andrew	*New York, N. Y.*
Leader, Andrew Michael	*Brooklyn, N. Y.*
Lee, Richard Hoover	*White Plains, N. Y.*
Lee, William Martens	*Yorktown Heights, N. Y.*
Lefferts, Peter Albert	*Dundalk, Md.*
Lesser, David Matthew	*Washington, D. C.*
Lewis, Kenneth Arthur	*Ardmore, Pa.*
Lewis, Stephen Evarts	*Minneapolis, Minn.*
Lion, Richard Morgan	*Kentfield, Calif.*
Lipschutz, Daniel Ephraim	*Detroit, Mich.*
Lombardo, Stephen Joseph	*Pawtucket, R. I.*
Lord, John Garvin, Jr.	*Swarthmore, Pa.*
Louis, John Carpenter	*Harlan, Iowa*
Luria, Edward Marx	*Jenkintown, Pa.*
McCashin, Frederick Bedford	*Pluckemin, N. J.*
McLeod, Dugald Carlton, Jr.	*Snyder, N. Y.*
Mackenzie, Alan Eno	*Torrington, Conn.*
Magrane, John Kearns, III	*Stamford, Conn.*
Manning, Leonard Reuben	*North Franklin, Conn.*
Manwell, Thomas Henry	*Hudson, Ohio*
Maples, Frederic Arthur	*Nogales, Ariz.*
Marritt, Emanuel	*Brooklyn, N. Y.*
Massey, Robert Keiser, Jr.	*Worcester, Mass.*
Mayer, Jeffrey Lorence	*Teaneck, N. J.*
Meneely, Henry Tucker, Jr.	*Annapolis, Md.*
Mervis, Charles Louis	*Oak Park, Ill.*
Messitte, Peter Jo	*Bethesda, Md.*
Myerson, Mark Eric	*Roslyn, N. Y.*
Michel, Arthur Greene	*Chicago, Ill.*
Miller, John Holmes	*Portola Valley, Calif.*
Miller, Ralph Lee	*Glencoe, Ill.*
Moran, Harold Joseph	*Greenwich, Conn.*

Morton, Thomas Throck	*Mamaroneck, N. Y.*
Myers, Christopher Allen	*Needham, Mass.*
Nash, John Thomas	*Wilmington, Del.*
Neill, Jeffrey Piersol	*Pittsburgh, Pa.*
Newmann, John Michael	*Highland Park, Ill.*
Nickerson, Jeffrey Roger	*Woodbridge, Conn.*
Noonan, Frederick William, Jr.	*Vergennes, Vt.*
Northrop, Charles Porter	*Rochester, N. Y.*
Northup, John David, Jr.	*Toledo, Ohio*
Oliver, Herbert Allan	*Denver, Colo.*
Osborn, Lawrence William	*Shaker Heights, Ohio*
Packel, Edward Wesler	*Merion Station, Pa.*
Paine, Caleb Lawrence	*Schenectady, N. Y.*
Parker, Stephen Leonard	*New York, N. Y.*
Parsons, John Timothy, III	*Bethel Park, Pa.*
Peck, Edwin Cady, Jr.	*Eden, N. Y.*
Perkins, William Eliab	*Bronxville, N. Y.*
Perry, David Lewis	*Dedham, Mass.*
Peterson, George Edward	*Ithaca, N. Y.*
Phelps, William Sabin	*Westfield, N. J.*
Pingel, John Spencer, Jr.	*Grosse Pointe, Mich.*
Pliske, Thomas Edward	*Ann Arbor, Mich.*
Poe, Pascal Eugene, III	*Manchester, Conn.*
Poole, Frank Harper	*Union, N. J.*
Powell, Benjamin Neff	*Sewickley, Pa.*
Powers, Robert Thayer	*Morristown, N. J.*
Prentiss, Peter Brett	*Hudson, Ohio*
Price, Hugh Bernard	*Washington, D. C.*
Quaglia, David Louis	*Braintree, Mass.*
Quigley, John Leslie, Jr.	*Rochester, N. Y.*
Quimby, Donald Gordon	*Roslyn Heights, N. Y.*
Reis, Randall Sicard	*Greenwich, Conn.*
Reynolds, Craig James	*Rochester, N. Y.*
Riall, David Charles	*Danbury, Conn.*
Rodefer, Stephen James	*Bellaire, Ohio*
Rohde, Jon Eliot	*Barrington, R. I.*
Rohrbaugh, Lewis Bunker	*Fayetteville, Ark.*
Rosenblum, Gerald Stephen	*New Hyde Park, N. Y.*
Rosenbush, Robert Avrum	*Brooklyn, N. Y.*
Ruhl, Patrick Gregg	*Davenport, Iowa*
Sabetta, John Carl	*Brooklyn, N. Y.*
Salkever, Stephen G.	*New Paltz, N. Y.*
Sanders, Henry Berryman, Jr.	*Evanston, Ill.*

Sargent, Gary Nyflot	*New York, N. Y.*
Saxbe, William Bart, Jr.	*Mechanicsburg, Ohio*
Shearwood, James Raymond	*Norwalk, Conn.*
Sheatsley, William Daniel	*Columbus, Ohio*
Shull, Peter	*Seymour, Conn.*
Siegel, Alexander Winston	*Summit, N. J.*
Sigafoos, David Harvey	*Line Lexington, Pa.*
Silberg, Jay Eliot	*Weehawken, N. J.*
Silver, David Jay	*Bristol, Conn.*
Singer, Richard Gus	*Washington, D. C.*
Solomon, Michael Bruce	*Brooklyn, N. Y.*
Stevens, Timothy Norton	*Lunenburg, Mass.*
Stine, Patrick Hervey	*Fenton, Mich.*
Stine, Peter John	*Fenton, Mich.*
Strong, William Chester	*Merion Station, Pa.*
Stuecheli, Bernard Drahmann	*Birmingham, Mich.*
Swartz, George Allen	*Denver, Colo.*
Sweeney, Donald Bernard, Jr.	*Mountain Brook, Ala.*
Synnott, Burton John	*Darien, Conn.*
Tague, Phillip Arthur	*Augusta, Kan.*
Tarpy, Roger Maynard, Jr.	*West Hartford, Conn.*
Tashjian, James Edward	*Westboro, Mass.*
Tavano, Richard John	*Milford, Mass.*
Taylor, Michael Scallon	*Greenwich, Conn.*
Terdiman, Richard	*Larchmont, N. Y.*
Thompson, Bruce Roger	*Chappaqua, N. Y.*
Thornburgh, James Thomas	*Chardon, Ohio*
Thorp, Almus Morse, Jr.	*Gambier, Ohio*
Truman, Edwin Malcolm	*New York, N. Y.*
vandenBlink, Leo Martin Seymour	*Amsterdam, The Netherlands*
vonRosenvinge, Christian Randolph	*Rockport, Mass.*
vonRosenvinge, Tycho Tor	*Rockport, Mass.*
Wales, Stephen Quincy	*Belmont, Mass.*
Wanner, Harry Eric	*Glen Mills, Pa.*
Warnock, John Phelps	*Tucson, Ariz.*
Warren, Alexander McDowell	*Sharon, Pa.*
Wasby, Roger Allan	*Belmont, Mass.*
Weil, John David	*St. Louis, Mo.*
Weisberger, Edward Joseph	*Scarsdale, N. Y.*
Wells, Stuart Wilder, III	*Long Lake, Minn.*
West, Burton Carey	*Pittsburgh, Pa.*
Westerbeck, Colin Leslie, Jr.	*Richmond Heights, Mo.*
White, George Edward	*Roslyn Estates, N. Y.*

Wielandy, Frank Landon	*St. Louis, Mo.*
Williams, Marquis Kenneth	*Medfield, Mass.*
Willius, Daniel Jeremy	*St. Paul, Minn.*
Wilson, Howard Hazen, Jr.	*Washington, D. C.*
Wilson, Noel Sydney	*Langhorne, Pa.*
Wood, William Augustus	*Washingtonville, N. Y.*
Woodland, Thomas Jefferson	*Scranton, Pa.*
Woolf, Stephen Richard	*Brookline, Mass.*
Wyler, Geoffrey David	*Lakewood, N. J.*
Wyman, John Cragin	*Amherst, Mass.*
Zehner, Robert Bolles	*Nyack, N. Y.*
Zuckerman, Thomas Matlock	*Stockton, Calif.*

Special Students Not Enrolled as Candidates for a Degree

Bereaud, Jacques Gustave Augustin	*Cauchy a la Tour, France*
Faustino, Jose M.	*New Manila, Philippines*
Koell, Winfried	*Tirol, Austria*
Peyrelongue, Hervé Marie Joseph	*Paris, France*
Ramirez, Mario Ramirez	*Moreliz Michoacan, Mexico*
Taillard, Jean-Pierre	*Paris, France*
Wittmann, Horst	*Bad Sachsa-Harz, Germany*

SUMMARY OF ENROLLMENT

Graduate Students	3
Seniors	242
Juniors	234
Sophomores	251
Freshmen	260
Students Not Enrolled as Candidates for a Degree	7
TOTAL	997

CLASSIFICATION OF UNDERGRADUATES BY RESIDENCE

New York	263	District of Columbia	26
Massachusetts	129	Maryland	23
Connecticut	83	California	23
Pennsylvania	77	Minnesota	19
New Jersey	64	Michigan	14
Ohio	46	Wisconsin	14
Illinois	38	Colorado	12
Missouri	27	Iowa	12

Rhode Island	11
Virginia	9
Indiana	7
Alabama	6
Delaware	6
Maine	6
Vermont	6
Florida	6
New Mexico	5
Arizona	4
Kansas	4
New Hampshire	4
Washington	4
Arkansas	3
Kentucky	3
Texas	3
Oregon	2
Tennessee	2
Montana	1
Nebraska	1
Nevada	1
North Carolina	1
Oklahoma	1
Utah	1
West Virginia	1
Japan	3
Korea	3
Canada	1
Hawaii	2
Bermuda	1
England	1
Italy	1
Netherlands	1
Nicaragua	1
Puerto Rico	1
Switzerland	1
Syria	1
Turkey	1
Venezuela	1
TOTAL	997

V

The Alumni Associations

Alumni Associations

THE SOCIETY OF THE ALUMNI

(Annual Meeting in Commencement Week)

Honorary President:	Claude M. Fuess, '05
President:	Carroll B. Low, '17
Vice Presidents:	Francis O. Sullivan, '10 Gerald Keith, '15 John J. Hanselman, '20 William H. Hastie, '25 Howard H. Groskloss, '30
Secretary-Treasurer:	J. Alfred Guest, '33
Nominating Committee:	Theodore L. Buell, '20, *Chairman* Stephen W. Grant, '30 Allan B. Temple, '35 Rodney Harris, Jr., '40 George L. Shinn, '45
Inspectors of Election:	Roy R. Blair, '18, *Chairman* William H. Ross, '29 H. Hills Skillings, '38
Committee to Nominate Alumni Trustees:	Howard Ketcham, '25, *Chairman* Frederic R. Pratt, '30 F. Franklin Moon, '35 William F. Cordner, '40 Douglas D. Milne, Jr., '45

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Chairman: Carroll B. Low, '17

Secretary: J. Alfred Guest, '33

Executive Committee:

John B. Prizer, '29, *Chairman*

Carroll B. Low, '17, *ex officio*	Arthur R. English, '35
Harry W. Knight, '31	George T. Bristol, '36
Howard O. Colgan, '32	Edward N. Ney, '46

REPRESENTATIVES OF CLASSES

1884	Walter F. Willcox
1888	Albert S. Bard
1889	Edward Fairbank
1891	George L. Leonard
1892	Allan P. Ball
1894	Cornelius S. Hurlbut
1897	Stephen Rushmore
1899	Everett E. Thompson
1900	Alden H. Clark
1901	Joseph Warner
1902	George C. Clancy
1903	Arthur T. Foster
1904	Ernest M. Whitcomb
1905	Frank S. Hayden
1906	George W. Porter
1907	John M. Waller
1908	Robert H. Kennedy
1909	H. Ladd Smith
1910	Albert R. Jube
1911	Carleton B. Beckwith
1912	Howard F. Burns
1913	Frederick R. Haller
1914	Richard M. Kimball
1915	James Kellum Smith
1916	Edwin H. Lutkins
1917	C. Edgar Maynard
1918	Augustus W. Bennet
1919	Nehemiah Boynton, Jr.
1920	E. Norton Reusswig
1921	Stuart R. French
1922	John C. Esty
1923	L. Thurston Pendleton
1924	Richard S. Kyle
1925	Lyle W. Hornbeck
1926	Paul C. French
1927	Gordon Holmes
1928	Stephen Brown
1929	Everett M. Hicks
1930	Donald P. Felt
1931	William F. Merrill
1932	Norman W. Turner
1933	John L. Van Woert
1934	John W. White
1935	John C. Boyden
1936	Minot Grose
1937	Fairman C. Cowan
1938	Richmond M. Sutherland
1939	Channing B. Richardson
1940	Howard Williams
1941	George R. Yerrall, III
1942	James T. Kaull, Jr.
1943	Robert C. McAdoo
1944	Francis F. Faulkner
1945	John H. Madden
1946	Malcolm K. Skipton, Jr.
1947	Edwin C. Van Valey
1948	Bruce K. Skipton
1949	Frederic J. Gardner
1950	William J. Young
1951	David D. Reed
1952	Howard J. Burnett
1953	Sterling L. Weaver
1954	William E. Whitney
1955	J. Alan McLean
1956	H. Irving Grousbeck, II
1957	Charles F. Turgeon
1958	Alan F. Fontana
1959	Bruce J. Havighurst

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Boston	William H. Raye, Jr., '32 Frederic J. Gardner, '49
Buffalo	Horace C. Winch, '22
Central Massachusetts	Harrison G. Taylor, Jr., '42
Central New York	David W. Brewer, '37
Chicago	Edward K. Hardy, Jr., '29
Cincinnati	James G. Headley, '32
The Columbia	Jerome B. Steinbach, '11
Columbus	Daniel M. Galbreath, '50
Connecticut	Donald B. Engley, '39
Connecticut Valley	Samuel T. Tisdale, '35 Robert S. Kneeland, '05
Florida	Daniel B. Caudle, '36
Indiana	Frederic M. Hadley, '28
Michigan	Stephen C. Miller, '51
Northeastern New York	Winford Oliphant, '34
Northern California	C. Selby Mason, '29
Northern Ohio	Howard F. Burns, '12
Northwest	Henry S. Kingman, '15
Philadelphia	Edwin A. Neale, '30 Robert C. McAdoo, '43
Rhode Island	C. George Taylor, '39
Rochester	Willard C. Case, '49
Rocky Mountain	Grant M. Ford, '45
St. Louis	Stanley J. Birge, '08
Southern California	Frederick S. Bale, '06
Texas (Dallas)	John D. Harris, '34
Texas (Houston)	Garrett R. Tucker, Jr. '36
Washington, D. C.	Carlile Bolton-Smith, '23 Chauncey B. Larry, '27
Washington State	William A. MacColl, '32
Western Pennsylvania	Ralph R. Harding, Jr., '42 Henry C. Higginbottom, '37
Wisconsin	Hartley Joys, '39

MEMBERS AT LARGE

Carroll B. Low, '17	Arthur R. English, '35
John B. Prizer, '29	George T. Bristol, '36
Howard K. Halligan, '30	James M. Selby, '37
Harry W. Knight, '31	Edward N. Ney, '46
Herbert J. Lyall, '31	Allan S. Lerner, '51
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John J. Shillington, Jr., *Secretary* — 200 Chouteau Ave., St. Louis 2

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Mitsubishi Electric Mfg. Co., No. 3, 2 chome, Marunouchi, Tokyo

Michio Mizoguchi, *Secretary*
Foreign Office, Kasumigaseki, Chiyodaku, Tokyo

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Frederick W. Beekman, *Honorary President*
261 Blvd. Raspail, Paris, France

VI

Appendix

Appendix

SCHOLARSHIP FUNDS

The following is a list of the Scholarship Funds of the College, as of June 30, 1959, the income of which is available for Scholarships and other forms of Student Aid.

Frederick S. Allis Scholarship Fund	$ 4,065.00
Anderson Scholarship	1,870.00
Frank L. Babbott Scholarship	10,000.00
Lydia Richardson Babbott Endowment Fund	50,000.00
Danforth Keyes Bangs Scholarship Fund	4,000.00
Edmund P. Barker and Susan Marvin Barker Scholarship Fund	8,107.06
Ivory H. Bartlett Scholarship Fund	5,000.00
Beecher Scholarship Fund	76,992.79
Albion F. Bemis Scholarship Fund	2,000.00
Borden Scholarship	1,870.00
Dolly Coleman Blake Scholarship Fund	1,000.00
Chandler Matthews Bray Scholarship Fund	19,932.08
William Louis Bray Class of 1858 Scholarship Fund	100.00
Bazil W. Brown, '53	200.00
Alexander H. Bullock Scholarship Fund	1,500.00
George M. Butler Class of 1897 Scholarship Fund	1,000.00
Butts Scholarship Fund	8,000.00
John A. Callahan Scholarship Fund	7,770.00
Joseph Carew Scholarship Fund	1,046.40
George B. Carter '06 Scholarship Fund	2,000.00
Centennial Gift	123,400.00
The Charitable Fund	130,130.66
Edwin Clapp Scholarship	4,625.00
Est. of Ellen C. Clapp	1,000.00
Jefferson Clark Scholarship Fund	10,000.00
The Lewis F. Clark Scholarship Fund	10,000.00
Class of 1826 Scholarship Fund	500.00
Class of 1831 Scholarship Fund	1,255.00
Scholarship of the Class of 1836	1,250.00
Scholarship Fund of the Class of 1839	1,200.00
Scholarship Fund of the Class of 1844	500.00
Class of 1845 Scholarship Fund	1,000.00
Class of 1846 Scholarship Fund	1,000.00
Class of 1849 Scholarship Fund	1,000.00

Class of 1850 Scholarship Fund	$ 1,230.00
Class of 1852 Scholarship Fund	1,000.00
Class of 1853 Scholarship Fund	1,500.00
Class of 1855 Scholarship Fund	1,121.83
Scholarship Fund of the Class of 1856	1,000.00
Class of 1857 Scholarship Fund	1,500.00
Scholarship Fund of the Class of 1858	1,250.09
Class of 1859 Scholarship Fund	2,650.00
Class of 1860 Scholarship Fund	3,000.00
Class of 1861 Scholarship Fund	3,000.00
Class of 1865 Scholarship Fund	1,008.31
Class of 1869 Scholarship Fund	2,670.76
Scholarship Fund of the Class of 1871	2,186.11
Class of 1873 Scholarship Fund	5,000.00
Class of 1877 Scholarship Fund	2,500.00
Class of 1880 Scholarship Fund	3,038.96
Class of 1897 Scholarship	4,000.00
Composite Scholarship Fund—Classes of 1829, '35, '38, '66, '67, '70	1,262.28
1927 Memorial Fund	11,526.00
Class of 1928 25-Year Memorial Fund	14,097.00
Class of 1929 25-Year Memorial Fund	11,411.00
Class of 1930 25-Year Memorial Fund	20,123.00
Class of 1931 25-Year Memorial Fund	16,261.00
Class of 1932 25-Year Memorial Fund	25,317.36
Class of 1933 25-Year Memorial Fund	26,773.17
Class of 1934 25-Year Memorial Fund	19,622.31
Class of 1935 25-Year Memorial Fund	9,753.49
Class of 1936 25-Year Memorial Fund	7,192.20
Class of 1937 25-Year Memorial Fund	6,743.97
Class of 1938 25-Year Memorial Fund	4,031.01
Class of 1939 25-Year Memorial Fund	443.10
E. C. Converse Scholarship Fund	50,000.00
George Cook Scholarship Fund	1,050.00
William Lyman Cowles Class of 1878 Scholarship Fund	3,000.00
Miner D. Crary Scholarship Fund	12,113.00
Crosby Memorial Scholarship Fund	27,000.00
Solomon Frederick Cushman '14 Loan Fund	1,000.00
William Cutler and Harriette Gilbert Cutler Memorial Scholarship	15,520.00
Day Benevolent Fund	5,000.00
John E. Day Scholarship Fund	4,000.00
Enos Dickinson Scholarship Fund	1,258.33

Sidney and Hannah Dillon Fund	$ 5,000.00
The Dodge Fund	4,841.38
W. F. Draper Scholarship Fund	2,550.00
Charles R. Drew Memorial Scholarship	10,166.00
Lucius R. Eastman Fund	10,000.00
James M. Ellis Fund	5,056.11
Robert Houghton Esty Scholarship Fund	9,866.48
Addison Alvord Ewing Scholarship Fund	9,000.00
Isaac D. Farnsworth Scholarship Fund	3,000.00
The Thomas P. Field Scholarship Fund	10,000.00
Fiske and Warren Scholarships	2,787.44
Daniel M. Galbreath Scholarship Fund	10,019.00
Augustine Milton Gay Scholarship Fund	5,056.44
Emerson Gaylord Scholarship Fund	8,000.00
Henry Hill Goodell Class of 1862 Scholarship Fund	2,000.00
Harry P. Greeley Scholarship Fund	15,256.06
Greene Scholarship	1,000.00
Greenfield Foundation	1,500.00
The Henry Gridley Scholarship of the Class of 1862	2,060.49
Vernon P. Gilbert Memorial Scholarship Fund	467,084.01
Est. William O. Gilbert	85,839.02
Thomas Hale Scholarship Fund	1,000.00
George A. Hall Scholarship Fund	5,000.00
William Hilton Scholarship Fund	50,000.00
Hitchcock Scholarship Endowment	11,270.00
George Frisbie Hoar Fund	1,000.00
Clarissa Dodge Howard Scholarship Fund	10,000.00
William R. Howard Scholarship Fund	5,000.00
The Hubshman Foundation Scholarship Fund	31,580.00
John Montgomery Hunter Scholarship Fund	27,554.48
Mary W. Hyde Scholarship Fund	1,000.00
Sarah B. Hyde Scholarship Fund	1,000.00
Infirmary Aid Fund	2,100.00
A. J. Johnson Scholarship Fund of the Class of 1823	1,046.40
Herbert B. Johnson '14 Scholarship Fund	1,500.00
Victor S. Johnson Student Loan Fund	6,500.00
Edward P. Judd Memorial Scholarship Fund	15,492.00
Eugene Kimball Scholarship Fund	2,000.00
John C. Kimball Scholarship	1,000.00
Knowles Scholarship Fund	3,000.00
Payne P. Larsen, in memory of Frederick B Richardson	5,335.83
Andrew D. Lawrie Scholarship Fund	101,575.00
Henry Lobdell Scholarship Fund	2,000.00

George Long Memorial Scholarship Fund	$ 602.00
Ludington Scholarship Fund	100,000.00
Charlotte Procknow McClelland Fund	500.00
George W. McFadden, Jr. Scholarship Fund	5,554.97
Francis J. Marsh Memorial Fund	5,000.00
Charles Merriam Scholarship	2,415.00
Charles E. Merrill Scholarship Fund	23,400.00
Charles Morton Merrill Fund	100,000.00
J. C. B. Miller Scholarship Fund	1,000.00
Moore Beneficiary Fund	40,358.69
Charles F. Morse Scholarship Fund	225.00
Anson Daniel Morse Memorial Scholarship Fund	2,500.00
C. L. Morse Scholarship Fund	2,000.00
George A. Morse Memorial Scholarship Fund	46,758.51
Harold Ely Morse Memorial Scholarship Fund	2,500.00
J. C. Newton Scholarship Fund	1,230.00
LaVerne Noyes Foundation	60,630.09
Newton Scholarship Fund	1,000.00
Edward H. Perkins Jr. Scholarship Fund	5,000.00
Persian Scholarship Fund	2,082.85
Asa Clinton Pierce Scholarship Fund	5,000.00
George D. Pratt Scholarship Fund	49,462.50
President's Loan Fund	15,000.00
Reed Scholarships	2,500.00
George Milton Reed Scholarship Fund	5,056.11
Emily B. Ripley Scholarship Fund	1,000.00
S. Robinson Scholarship Fund	3,000.00
E. Russell Scholarship Fund	8,000.00
Lowell Russell Scholarship Fund	1,041.94
John E. Sanford Class of 1851 Scholarship Fund	10,000.00
Schroeder Memorial Fund	9,404.00
James S. Seymour Scholarship Fund	5,000.00
Est. Mary Shores	8,000.00
Andrew Baird Simpson Scholarship Fund	5,000.00
Ellis R. Smith Scholarship Fund	500.00
Harry deForest Smith Scholarship Fund	5,316.76
Isaac F. Smith Student Loan Fund	6,372.00
Luther Ely Smith Memorial Fund	11,856.00
Wells Southworth—Class of 1822 Scholarship Fund	1,280.00
Special Endowment Fund No. 2	25,000.00
Charles J. Staples Memorial	25,000.00
Harold Parker Stevens Fund	32,964.17
Caleb Stimson Fund	19,900.00

Stone Educational Fund	$ 25,000.00
Frederic N. Stone Scholarship Fund	4,924.17
Harlan F. Stone Memorial Scholarship Fund	35,000.00
Henry E. Storrs Scholarship Fund	5,000.00
Charles Snow Thayer Scholarship Fund	1,000.00
L. H. Thayer Scholarship Fund	5,000.00
Elizabeth W. McCormick Tucker Scholarship Fund	1,000.00
Bessy Tucker Scholarship Fund	13,344.48
Quincy Tufts Scholarship Fund	2,000.00
Sarah Tuttle Scholarship Fund	1,042.00
W. S. Tyler of the Class of 1830 Fund	1,000.00
George H. Watson Memorial Fund	62,705.79
Edwin P. Wells Scholarship Fund	32,295.43
Whitcomb Scholarship Fund	12,000.00
Donald G. White Jr. Memorial Fund	2,723.00
Herbert Otis White Scholarship Funds	12,000.00
Whitehall Foundation, Inc.	1,000.00
Est. Herbert P. Whitney '98	500.00
Elmer W. Wiggins Fund	115,087.93
Harry Wilbur Scholarship Fund	5,000.00
David Winslow Scholarship Fund	200.00
Henry Lawrence Wilkinson Memorial Fund	5,000.00
The Williams Scholarship Fund	257.80
Worcester Scholarship Fund	5,000.00
	$2,787,995.59

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